CFD-G555CP/G555CPK

SERVICE MANUAL

Ver. 1.1 2006.04

Canadian Model
CFD-G555CPK
E Model
Australian Model
CFD-G555CP
Mexican Model
CFD-G555CPK



Photo : CFD-G555CP

CD Section	Model Name Using Similar Mechanism	CFD-G550CP
	CD Mechanism Type	KSM-213CDP/C2NP
	Optical Pick-up Type	KSS-213C
TAPE Section	Model Name Using Similar Mechanism	CFD-G500/G550
	Tape Transport Mechanism Type	MF-G500

SPECIFICATIONS

CD player section

System
  Compact disc digital audio system
Laser diode properties
  Emission duration: Continuous
  Laser output: Less than 44.6 µW
  (This output is the value measured at a distance of about 200 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.)
Number of channels
  2
Frequency response
  20 - 20 000 Hz +1/–2 dB
Wow and flutter
  Below measurable limit

Radio section

Frequency range
  FM: 87.5 - 108 MHz
  AM: 531 - 1 611 kHz (9 kHz step)(G555CP)
    530 - 1 610 kHz (10 kHz step)(G555CP)
    530 - 1 710 kHz (G555CPK)
Antennas
  FM: Telescopic antenna
  AM: Built-in ferrite bar antenna

Cassette-corder section

Recording system
  4-track 2 channel stereo
Fast winding time
  Approx. 120 s (sec.) with Sony cassette C-60
Frequency response
  TYPE I (normal): 70 - 13 000 Hz

General

Speaker
  Full range: 10 cm dia., 3.2 Ω, cone type (2)
  Woofer: 10 cm dia., 4 Ω, cone type (1)
Outputs
  Headphones jack (stereo minijack)
  For 16 - 68 Ω impedance headphones
Power output
  4 W + 4 W (at 3.2 Ω, 10% harmonic distortion)
  Woofer:
  12 W (at 4 Ω, 10% harmonic distortion)
Power requirements
  For CD radio cassette-corder:
  230 V AC, 50 Hz (G555CP: SP, E41, AUS)
  120 V AC, 60 Hz (G555CP: E92/G555CPK)
  12 V DC, 8 R20 (size D) batteries
  For remote control:
  3 V DC, 2 R03 (size AAA) batteries
Power consumption
  AC 30 W
Battery life
  For CD radio cassette-corder:

FM recording
Sony R20P: approx. 6 h
Sony alkaline LR20: approx. 18 h
Tape playback
Sony R20P: approx. 1.5 h
Sony alkaline LR20: approx. 6 h
CD playback
Sony R20P: approx. 1 h
Sony alkaline LR20: approx. 4 h

Dimensions
  Approx. 530 × 241 × 369 mm (w/h/d)
  (incl. projecting parts)
Mass
  Approx. 8.0 kg (incl. batteries)
Supplied accessories
  AC power cord (1)
  Remote control (1)

• Abbreviation
  AUS : Australian model
  E41 : AC 230V area in E model
  E92 : AC 120V area in E model
  MX : Mexican model
  SP : Singapore model

Design and specifications are subject to change without notice.

CD RADIO CASSETTE-CORDER

9-887-100-02
2006D16-1

Sony Corporation
Personal Audio Division
Published by Sony Techno Create Corporation

SONY®

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Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing

- Keep the temperature of soldering iron around 270˚C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

LF : LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350 °C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscou-s (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COM- POSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1
SERVICING NOTES

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

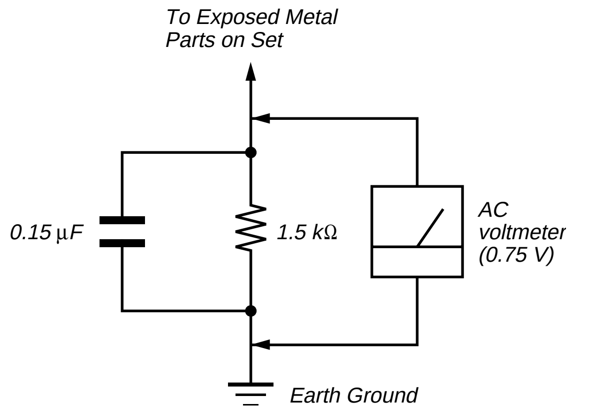


Fig. A. Using an AC voltmeter to check AC leakage.

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

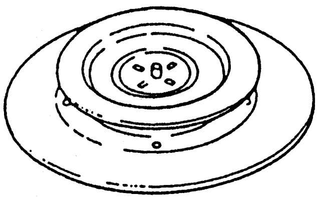
NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe more than 30 cm away from the objective lens.

CHUCK PLATE JIG ON REPAIRING

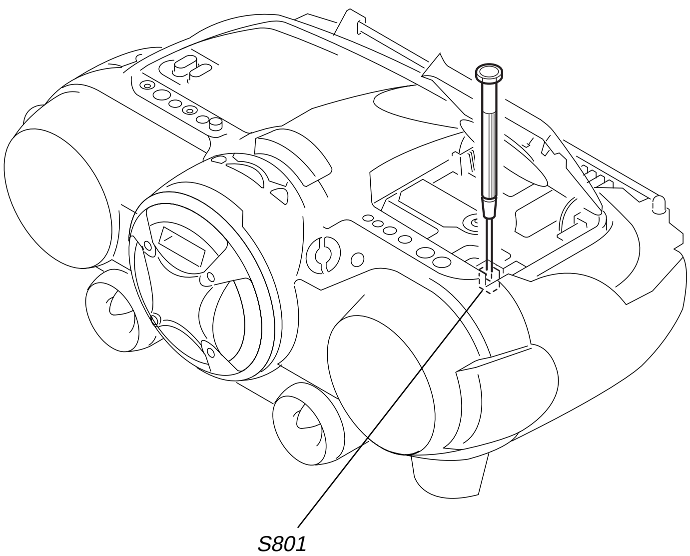
On repairing CD section, playing a disc without the CD lid, use Chuck Plate Jig.

- Code number of Chuck Plate Jig : X-4918-255-1



LASER DIODE AND FOCUS SEARCH OPERATION CHECK

1. Turn ON the OPERATE button and press CD button to CD position.
2. Open the CD lid.
3. Turn on S801 with screwdriver, etc. as following figure.
4. Press the ►II (CD) button.
5. Confirm the laser diode emission while observing the objecting lens. When there is no emission, Auto Power Control circuit or Optical Pick-up is broken.
   Objective lens moves up and down three times for focus search.

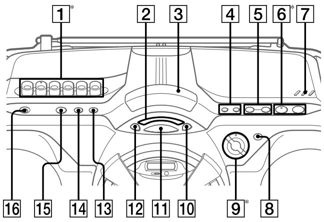


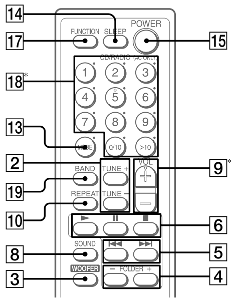
SECTION 2
GENERAL

This section is extracted from instruction manual.

CFD-G555CP (1/2)

Basic Operations





* VOL + [9], ►II [6], ► [1] and 5 [18] on the remote have a tactile dot.

Before using the unit

To turn on/off the power
Press POWER [15].

To adjust the volume
Press VOL +, – [9].

To listen through headphones
Connect the headphones to the ♫ (headphones) jack [16].

To select the sound characteristic
Press SOUND [8] repeatedly to select the audio emphasis you want.

Choose	To get
	Powerful, clean sounds, emphasizing low and high range audio
	Light, bright sounds emphasizing high and middle range audio
	Percussive sounds, emphasizing bass audio
	The presence of vocals, stressing middle range audio
	The whole dynamic range for music such as classical music

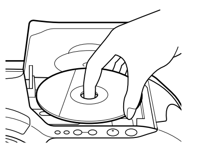
To reinforce the bass sound
Press POWER DRIVE WOOFER (WOOFER on the remote) [3] to select WOOFER or WOOFER on the display. WOOFER is more effective. When the WOOFER function works, the ring on the front panel lights up.
To return to normal sound, press the button repeatedly until the indication disappears from the display.

Notes
- While the sleeping timer is on, the ring does not light, even if the WOOFER function is used.
- When you use the headphones, the WOOFER function does not work.

Playing a CD/MP3 disc

1 Press ≜ PUSH OPEN/CLOSE [7] on the unit, and place a disc with the label side up on the CD compartment.

To close the CD compartment, press ≜ PUSH OPEN/CLOSE [7] on the unit.

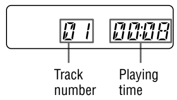


2 Press ►II on the unit (► on the remote) [6].

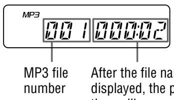
The unit plays all the tracks/MP3 files once.

When you place MP3 discs, "MP3" appears in the display after the unit reads the file information.

Audio CD



MP3 disc

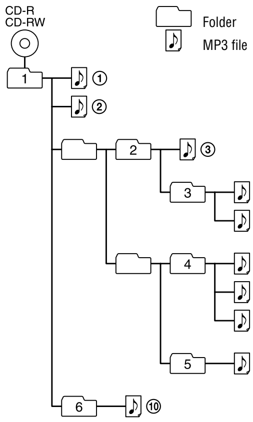


To	Press
Pause playback	►II on the unit (II on the remote) [6]. To resume play, press it again.
Stop playback	■ [6].
Go to the next track/MP3 file	►►I [5].
Go back to the previous track/ MP3 file	I◄◄ [5].
Select a folder on an MP3 disc	FOLDER + to go forward and FOLDER – to go backward [4].
Locate a point while listening to the sound	►►I (forward) or I◄◄ (backward) [5] while playing and hold it until you find the point.
Locate a point while observing the display	►►I (forward) or I◄◄ (backward) [5] in pause and hold it until you find the point.
Locate a specific track/MP3 file directly	The number button [18] of the track/ MP3 file on the remote.
Remove the CD	≜ PUSH OPEN/CLOSE [7].

Tips
- Playback starts from the track/MP3 file you last stopped playing (Resume play). During stop, the track/MP3 file number to be played is displayed.
- To cancel the resume play (to start play from the beginning of the first track/MP3 file), press ■ [6] while the CD is stopped. When you open the CD compartment or turn off the unit, the resume play is also canceled.
- When you locate a track/MP3 file numbered over 10, press >10 [18] on the remote first, then the corresponding number buttons [18] on the remote.
  Example: To play track/MP3 file number 23, press >10 first, then 2 and 3.
- To select a track/MP3 file numbered 100 or more, press >10 [18] on the remote twice, then the corresponding number buttons [18] on the remote.

Note
You cannot locate a specific track/MP3 file if "SHUF" or "PGM" is lit in the display. Turn off the indication by pressing ■ [6].

Example of folder structure and playing order
The playing order of the folders and files is as follows:



Notes on MP3 discs
- When the disc is inserted, the unit reads all the files on that disc. During this time, "READING" is displayed. If there are many folders or non-MP3 files on the disc, it may take a long time for play to begin or for the next MP3 file to start play.
  We recommend that you do not save unnecessary folders or files other than MP3 ones in the disc to be used for MP3 listening.
- Locating a specific MP3 file using the number buttons [18] on the remote is only available for the MP3 files in the selected folder.
- A folder that does not include an MP3 file is skipped.
- Maximum number of folders: 255
  Maximum number of files: 255
  Maximum directory levels: 8
- Folder names and file names can be displayed with up to 64 characters including quotation marks and a 3-character extension code.
- The characters A - Z, a - z, 0 - 9, and _ can be displayed on this unit. Other characters are displayed as "*".
- This unit conforms to Version 1.1 of the ID3 tag format. If the file has the ID3 tag information, "song title", "artist name" and "album name" can be displayed.
- When naming, be sure to add the file extension "mp3" to the file name.
- If you put the extension "mp3" to a file other than an MP3 file, the unit cannot recognize the file properly and will generate random noise that could damage your speakers.
- The file name does not correspond to the ID3 tag.

Listening to the radio

1 Press RADIO BAND•AUTO PRESET [11] on the unit (BAND [19] on the remote) repeatedly.

Each time you press the button, the indication changes as follows:

"FM" → "AM"

2 Hold down TUNE + or – [2] until the frequency digits begin to change in the display.

The unit automatically scans the radio frequencies and stops when it finds a clear station.

If you cannot tune in a station, press TUNE + or – [2] repeatedly to change the frequency step by step.

When an FM stereo broadcast is received, "ST" appears.

Tip
If the FM broadcast is noisy, press MODE [13] until "Mono" appears in the display and the radio will play in monaural.

Changing the AM tuning interval (Except for the Australian model)
If you need to change the AM tuning interval, do the following:

1 Press RADIO BAND•AUTO PRESET [11] on the unit until "AM" is displayed.

2 Press DISPLAY•ENTER•MEMORY [12] on the unit for 2 seconds.

3 Press RADIO BAND•AUTO PRESET [11] on the unit for 2 seconds.

"AM 9" or "AM 10" flashes.

4 Press PRESET + or – [5] on the unit to select "AM 9" for 9 kHz interval or "AM 10" for 10 kHz interval.

5 Press DISPLAY•ENTER•MEMORY [12] on the unit.

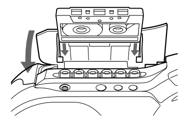
After changing the tuning interval, you need to reset your preset AM radio stations.

Playing a tape

Use buttons on the unit for the operation.

1 Press ■≜ [1] on the unit, and insert the tape into the tape compartment with the side you want to play facing upward. Use TYPE I (normal) tape only. Close the compartment.

Make sure there is no slack in the tape to avoid damaging the tape or the unit.



2 Press ► [1] on the unit.

The unit starts playing.

To	Press
Pause playback	II [1] on the unit. To resume play, press it again.
Stop playback	■≜ [1] on the unit.
Fast-forward or rewind	►► or ◄◄ (fast forward or rewind) [1] on the unit.
Eject the cassette	■≜ [1] on the unit.

Recording on a tape

Use buttons on the unit for the operation.

1 Press ■≜ [1] on the unit to open the tape compartment and insert a blank tape with the side you want to record on facing upward. Use TYPE I (normal) tape only. Close the compartment.

2 Select the program source you want to record.

To record from the CD player, press ■ [6] on the unit and place a CD.

To record from the radio, tune in the station you want (see "Listening to the radio").

3 Press ● [1] on the unit to start recording (► is depressed automatically).

To	Press
Pause recording	II [1] on the unit. Press the button again to resume recording.
Stop recording	■≜ [1] on the unit.

Tips
- Adjusting the volume or the audio emphasis will not affect the recording level.
- For the best results, use the AC power as a power source for recording.
- To erase a recording, proceed as follows:
  1 Insert the tape whose recording you want to erase.
  2 Make sure that "TAPE" is displayed. (If "TAPE" is not displayed, press ► [1] on the unit or press FUNCTION [17] on the remote until it appears in the display.)
  3 Press ● [1] on the unit.

CFD-G555CP (2/2)

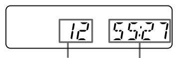
Other Operations

Using the display

You can check information about the CD using the display.

Checking the information of an audio CD

To check the total track number and playing time of the CD
Press ■ [6] while the CD is stopped, and you can check them in the display.



To check the remaining time
Press DISPLAY•ENTER•MEMORY [12] on the unit while playing a CD. The display changes as follows:

→ The current track number and playing time
↓
The current track number and the remaining time of the current track
↓
The number of tracks left and the time remaining on the CD

Checking the information of an MP3 disc

To check the total folder number and total file number on the CD
Press ■ [6] while the CD is stopped, and you can check them in the display.



To check file information
Press DISPLAY•ENTER•MEMORY [12] on the unit while playing an MP3 disc. The display changes as follows:

→ The current file number and playing time
↓
The current file number and the file name
↓
The folder number and the folder name*
↓
The current file number and ID3: the song title / the artist name / the album name**

* If the folder does not have a folder name, "ROOT" appears instead of a folder name.
** If the file does not have ID3 information, "NO TITLE", "NO ARTIST" or "NO ALBUM" appears in the display.

Playing tracks/MP3 files repeatedly (Repeat Play)

You can play tracks/MP3 files repeatedly in normal, Shuffle or Program play modes.

1. Press ■ [6].
   "CD" appears in the display.
2. Proceed as follows.

To repeat	Do this
A single track/MP3 file	1 Press REPEAT [10] until "REP 1" appears. 2 Press ⏮ or ⏭ [5] to select the track/MP3 file that you want to repeat. 3 Press ▶II [6] on the unit.
All tracks/ MP3 files on the CD	1 Press REPEAT [10] until "REP ALL" appears. 2 Press ▶II [6] on the unit.
A selected folder (MP3 disc only)	1 Press REPEAT [10] until "REP" and "FLDR" appear. 2 Select the folder by pressing FOLDER + or FOLDER – [4]. 3 Press ▶II [6] on the unit.
Tracks/ MP3 files in random order	1 Select Shuffle Play (see "Playing tracks/ MP3 files in random order"). 2 Press REPEAT [10] until "SHUF" and "REP" appear. 3 Press ▶II [6] on the unit.
Programed tracks/ MP3 files	1 Program tracks/MP3 files (see "Creating your own program"). 2 Press REPEAT [10] until "REP" and "PGM" appear. 3 Press ▶II [6] on the unit.
Programed folders (MP3 disc only)	1 Program folders (see "Creating your own program"). 2 Press REPEAT [10] until "REP", "PGM" and "FLDR" appear. 3 Press ▶II [6] on the unit.

On the remote
- Use ▶ [6] instead of ▶II [6].
- After you have selected "REP 1", press the number buttons [18] to select the track/MP3 file.

To cancel Repeat Play
Press REPEAT [10] until "REP" disappears from the display.

Playing tracks/MP3 files in random order (Shuffle Play)

You can play tracks/MP3 files in random order.

1. Press ■ [6].
   "CD" appears in the display.
2. Press MODE [13] until "SHUF" appears in the display.
3. Press ▶II [6] on the unit to start Shuffle Play.

On the remote
Use ▶ [6] instead of ▶II [6].

To cancel Shuffle Play
Stop playing first. Then press MODE [13] until "SHUF" disappears from the display.

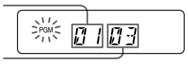
Tips
- During Shuffle Play, you cannot select the previous track/MP3 file by pressing ⏮ [5].
- The resume function does not work during Shuffle Play.

Creating your own program (Program Play)

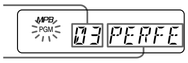
You can arrange the playing order of up to 20 tracks/ MP3 files on a CD. When playing an MP3 disc, you can also program up to 20 folders (Program Folder Play).

1. Press ■ [6].
   "CD" appears in the display.
2. Press MODE [13] until "PGM" flashes in the display.
   When you select Program Folder Play (MP3 disc only), press MODE [13] until "PGM" and "FLDR" appear in the display.
3. Press ⏮ or ⏭ [5] then press DISPLAY• ENTER•MEMORY [12] on the unit for the tracks/ MP3 files you want to program in the order you want.
   Use FOLDER + or – [4] to select folders for Program Folder Play.

Audio CD (Program Play)



MP3 disc (Program Play)



MP3 disc (Program Folder Play)



4. Press ▶II [6] on the unit to start Program Play.

On the remote
- Use ▶ [6] instead of ▶II [6].
- After you have selected "PGM", press the number buttons [18] for the tracks/MP3 files you want to program in the order you want.

To cancel Program Play
Stop playing first. Then press MODE [13] until "PGM" disappears from the display.

To check the order of tracks/MP3 files before play
Press DISPLAY•ENTER•MEMORY [12] on the unit. Every time you press the button, the track number, MP3 file name or folder name appears in the programed order.

To change the current program
Press ■ [6] once if the CD is stopped and twice if the CD is playing. The current program will be erased. Then create a new program following the programing procedure.

Tips
- You can play the same program again, since the program is saved until you open the CD compartment.
- You can record your own program. After you have created the program, insert a blank tape and press ● [1] on the unit to start recording.
- The resume function does not work during Program Play.

Presetting radio stations

You can store radio stations into the unit's memory. You can preset up to 30 radio stations, 20 for FM and 10 for AM in any order.

1. Press RADIO BAND•AUTO PRESET [11] on the unit to select the band.
2. Hold down RADIO BAND•AUTO PRESET [11] on the unit for 2 seconds until "AUTO" flashes in the display.
3. Press DISPLAY•ENTER•MEMORY [12] on the unit.
   The stations are stored in memory from the lower frequencies to the higher ones.

If a station cannot be preset automatically
You need to preset a station with a weak signal manually.

1. Press RADIO BAND•AUTO PRESET [11] on the unit to select the band.
2. Tune in a station you want.
3. Hold down DISPLAY•ENTER•MEMORY [12] on the unit for 2 seconds until the preset number flashes in the display.
4. Press PRESET + or – [5] on the unit until the preset number you want for the station flashes in the display.
5. Press DISPLAY•ENTER•MEMORY [12] on the unit.
   The new station replaces the old one.

On the remote

1. Press BAND [19] until the band you want appears in the display.
2. Tune in a station you want.
3. Hold down the number buttons [18] that you want to preset the new station on for about 2 seconds.
   To select the preset number over 10, press >10 [18] first, then the corresponding number buttons [18].
   You need to hold down the last number button to enter for about 2 seconds.
   (Example: To select 12, press >10 and 1 first, then hold down 2 for about 2 seconds.)

Tip
The preset radio stations remain in memory even if you unplug the AC power cord or remove the batteries.

Playing preset radio stations

1. Press RADIO BAND•AUTO PRESET [11] on the unit to select the band.
2. Press PRESET + or – [5] on the unit to tune in the stored station.

On the remote

1. Press BAND [19].
2. Press the number buttons [18] to tune in the stored station.
   To tune in a preset station over 10, press >10 [18] first, then corresponding number buttons [18].
   (Example: To tune in a preset station 12, press >10 and 1 first, and then press 2.)

Falling asleep to music

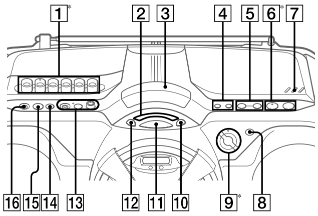
1. Play the music source you want.
2. Press SLEEP [14] to display "SLEEP."
3. Press SLEEP [14] to select the minutes until the unit goes off automatically.
   Each time you press the button, the indication changes as follows:
   "60" → "90" → "120" → "OFF" → "10" → "20" → "30".
   If 4 seconds have passed after you pressed SLEEP [14], the minutes in the display are entered.
   When the preset time has passed, the unit goes off automatically.

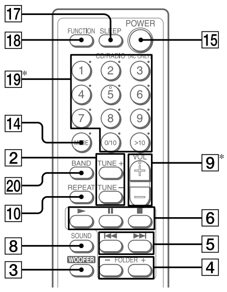
To cancel the sleep function
Press POWER [15] to turn off the power.

Note
When you are playing a tape using this function:
If the tape length of one side is longer than the set time, the unit will not go off until the tape reaches the end.

CFD-G555CPK (1/2)

Basic Operations





* VOL + [9], ►II [6], ► [1] and 5 [19] on the remote have a tactile dot.

Before using the unit

To turn on/off the power
Press POWER [15].

To adjust the volume
Press VOL +, – [9].

To listen through headphones
Connect the headphones to the ♫ (headphones) jack [16].

To select the sound characteristic
Press SOUND [8] repeatedly to select the audio emphasis you want.

Choose	To get
	Powerful, clean sounds, emphasizing low and high range audio
	Light, bright sounds emphasizing high and middle range audio
	Percussive sounds, emphasizing bass audio
	The presence of vocals, stressing middle range audio
	The whole dynamic range for music such as classical music

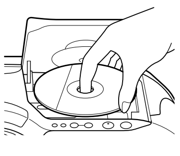
To reinforce the bass sound
Press POWER DRIVE WOOFER (WOOFER on the remote) [3] to select WOOFER or WOOFER on the display. WOOFER is more effective. When the WOOFER function works, the ring on the front panel lights up.
To return to normal sound, press the button repeatedly until the indication disappears from the display.

Notes
- While the sleeping timer is on, the ring does not light, even if the WOOFER function is used.
- When you use the headphones, the WOOFER function does not work.

Playing a CD/MP3 disc

1 Press ≜ PUSH OPEN/CLOSE [7] on the unit, and place a disc with the label side up on the CD compartment.

To close the CD compartment, press ≜ PUSH OPEN/CLOSE [7] on the unit.

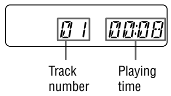


2 Press ►II on the unit (► on the remote) [6].

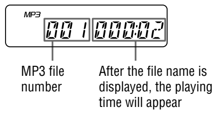
The unit plays all the tracks/MP3 files once.

When you place MP3 discs, "MP3" appears in the display after the unit reads the file information.

Audio CD



MP3 disc

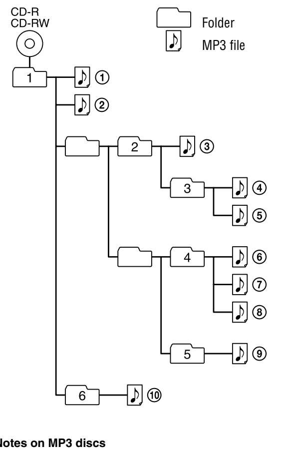


To	Press
Pause playback	►II on the unit (II on the remote) [6]. To resume play, press it again.
Stop playback	■ [6].
Go to the next track/MP3 file	►►I [5].
Go back to the previous track/MP3 file	I◄◄ [5].
Select a folder on an MP3 disc	FOLDER + to go forward and FOLDER – to go backward [4].
Locate a point while listening to the sound	►►I (forward) or I◄◄ (backward) [5] while playing and hold it until you find the point.
Locate a point while observing the display	►►I (forward) or I◄◄ (backward) [5] in pause and hold it until you find the point.
Locate a specific track/MP3 file directly	The number button [19] of the track/MP3 file on the remote.
Remove the CD	≜ PUSH OPEN/CLOSE [7].

Tips
- Playback starts from the track/MP3 file you last stopped playing (Resume play). During stop, the track/MP3 file number to be played is displayed.
- To cancel the resume play (to start play from the beginning of the first track/MP3 file), press ■ [6] while the CD is stopped. When you open the CD compartment or turn off the unit, the resume play is also canceled.
- When you locate a track/MP3 file numbered over 10, press >10 [19] on the remote first, then the corresponding number buttons [19] on the remote.
  Example: To play track/MP3 file number 23, press >10 first, then 2 and 3.
- To select a track/MP3 file numbered 100 or more, press >10 [19] on the remote twice, then the corresponding number buttons [19] on the remote.

Note
You cannot locate a specific track/MP3 file if "SHUF" or "PGM" is lit in the display. Turn off the indication by pressing ■ [6].

Example of folder structure and playing order
The playing order of the folders and files is as follows:



Notes on MP3 discs
- When the disc is inserted, the unit reads all the files on that disc. During this time, "READING" is displayed. If there are many folders or non-MP3 files on the disc, it may take a long time for play to begin or for the next MP3 file to start play.
  We recommend that you do not save unnecessary folders or files other than MP3 ones in the disc to be used for MP3 listening.
- Locating a specific MP3 file using the number buttons [19] on the remote is only available for the MP3 files in the selected folder.
- A folder that does not include an MP3 file is skipped.
- Maximum number of folders: 255
  Maximum number of files: 255
  Maximum directory levels: 8
- Folder names and file names can be displayed with up to 64 characters including quotation marks and a 3-character extension code.
- The characters A - Z, a - z, 0 - 9, and _ can be displayed on this unit. Other characters are displayed as "*".
- This unit conforms to Version 1.1 of the ID3 tag format. If the file has the ID3 tag information, "song title", "artist name" and "album name" can be displayed.
- When naming, be sure to add the file extension "mp3" to the file name.
- If you put the extension "mp3" to a file other than an MP3 file, the unit cannot recognize the file properly and will generate random noise that could damage your speakers.
- The file name does not correspond to the ID3 tag.

Listening to the radio

1 Press RADIO BAND•AUTO PRESET [11] on the unit (BAND [20] on the remote) repeatedly.

Each time you press the button, the indication changes as follows:

"FM" → "AM"

2 Hold down TUNE + or – [2] until the frequency digits begin to change in the display.

The unit automatically scans the radio frequencies and stops when it finds a clear station.

If you cannot tune in a station, press TUNE + or – [2] repeatedly to change the frequency step by step.

When an FM stereo broadcast is received, "ST" appears.

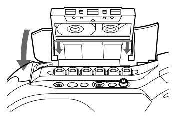
Tip
If the FM broadcast is noisy, press MODE [14] until "Mono" appears in the display and the radio will play in monaural.

Playing a tape

Use buttons on the unit for the operation.

1 Press ■≜ [1] on the unit, and insert the tape into the tape compartment with the side you want to play facing upward. Use TYPE I (normal) tape only. Close the compartment.

Make sure there is no slack in the tape to avoid damaging the tape or the unit.



2 Press ► [1] on the unit.

The unit starts playing.

To	Press
Pause playback	II [1] on the unit. To resume play, press it again.
Stop playback	■≜ [1] on the unit.
Fast-forward or rewind	►► or ◄◄ (fast forward or rewind) [1] on the unit.
Eject the cassette	■≜ [1] on the unit.

Recording on a tape

Use buttons on the unit for the operation.

1 Press ■≜ [1] on the unit to open the tape compartment and insert a blank tape with the side you want to record on facing upward. Use TYPE I (normal) tape only. Close the compartment.

2 Select the program source you want to record.

To record from the CD player, press ■ [6] on the unit and place a CD.

To record from the radio, tune in the station you want (see "Listening to the radio").

3 Press ● [1] on the unit to start recording (► is depressed automatically).

To	Press
Pause recording	II [1] on the unit. Press the button again to resume recording.
Stop recording	■≜ [1] on the unit.

Tips
- Adjusting the volume or the audio emphasis will not affect the recording level.
- For the best results, use the AC power as a power source for recording.
- To erase a recording, proceed as follows:
  1 Insert the tape whose recording you want to erase.
  2 Make sure that "TAPE" is displayed. (If "TAPE" is not displayed, press ► [1] on the unit or press FUNCTION [17] on the remote until it appears in the display.)
  3 Press ● [1] on the unit.

CFD-G555CPK (2/2)

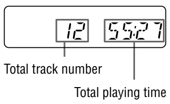
Other Operations

Using the display

You can check information about the CD using the display.

Checking the information of an audio CD

To check the total track number and playing time of the CD
Press ■ 6 while the CD is stopped, and you can check them in the display.

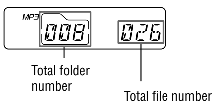


To check the remaining time
Press DISPLAY•ENTER•MEMORY 12 on the unit while playing a CD. The display changes as follows:

The current track number and playing time
↓
The current track number and the remaining time of the current track
↓
The number of tracks left and the time remaining on the CD

Checking the information of an MP3 disc

To check the total folder number and total file number on the CD
Press ■ 6 while the CD is stopped, and you can check them in the display.



To check file information
Press DISPLAY•ENTER•MEMORY 12 on the unit while playing an MP3 disc. The display changes as follows:

The current file number and playing time
↓
The current file number and the file name
↓
The folder number and the folder name*
↓
The current file number and ID3: the song title / the artist name / the album name**

* If the folder does not have a folder name, "ROOT" appears instead of a folder name.
** If the file does not have ID3 information, "NO TITLE", "NO ARTIST" or "NO ALBUM" appears in the display.

Playing tracks/MP3 files repeatedly (Repeat Play)

You can play tracks/MP3 files repeatedly in normal, Shuffle or Program play modes.

1 Press ■ 6.
"CD" appears in the display.
2 Proceed as follows.

To repeat	Do this
A single track/MP3 file	1 Press REPEAT 10 until "REP 1" appears. 2 Press ⏮ or ⏭ 5 to select the track/MP3 file that you want to repeat. 3 Press ►❚❚ 6 on the unit.
All tracks/ MP3 files on the CD	1 Press REPEAT 10 until "REP ALL" appears. 2 Press ►❚❚ 6 on the unit.
A selected folder (MP3 disc only)	1 Press REPEAT 10 until "REP" and "FLDR" appear. 2 Select the folder by pressing FOLDER + or FOLDER – 4. 3 Press ►❚❚ 6 on the unit.
Tracks/ MP3 files in random order	1 Select Shuffle Play (see "Playing tracks/ MP3 files in random order"). 2 Press REPEAT 10 until "SHUF" and "REP" appear. 3 Press ►❚❚ 6 on the unit.
Programed tracks/MP3 files	1 Program tracks/MP3 files (see "Creating your own program"). 2 Press REPEAT 10 until "REP" and "PGM" appear. 3 Press ►❚❚ 6 on the unit.
Programed folders (MP3 disc only)	1 Program folders (see "Creating your own program"). 2 Press REPEAT 10 until "REP", "PGM" and "FLDR" appear. 3 Press ►❚❚ 6 on the unit.

On the remote
- Use ► 6 instead of ►❚❚ 6.
- After you have selected "REP 1", press the number buttons 19 to select the track/MP3 file.

To cancel Repeat Play
Press REPEAT 10 until "REP" disappears from the display.

Playing tracks/MP3 files in random order (Shuffle Play)

You can play tracks/MP3 files in random order.

1 Press ■ 6.
"CD" appears in the display.
2 Press MODE 14 until "SHUF" appears in the display.
3 Press ►❚❚ 6 on the unit to start Shuffle Play.

On the remote
Use ► 6 instead of ►❚❚ 6.

To cancel Shuffle Play
Stop playing first. Then press MODE 14 until "SHUF" disappears from the display.

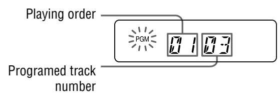
Tips
- During Shuffle Play, you cannot select the previous track/MP3 file by pressing ⏮ 5.
- The resume function does not work during Shuffle Play.

Creating your own program (Program Play)

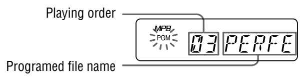
You can arrange the playing order of up to 20 tracks/ MP3 files on a CD. When playing an MP3 disc, you can also program up to 20 folders (Program Folder Play).

1 Press ■ 6.
"CD" appears in the display.
2 Press MODE 14 until "PGM" flashes in the display.
When you select Program Folder Play (MP3 disc only), press MODE 14 until "PGM" and "FLDR" appear in the display.
3 Press ⏮ or ⏭ 5 then press DISPLAY• ENTER•MEMORY 12 on the unit for the tracks/ MP3 files you want to program in the order you want.
Use FOLDER + or – 4 to select folders for Program Folder Play.

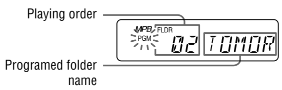
Audio CD (Program Play)



MP3 disc (Program Play)



MP3 disc (Program Folder Play)



4 Press ►❚❚ 6 on the unit to start Program Play.

On the remote
- Use ► 6 instead of ►❚❚ 6.
- After you have selected "PGM", press the number buttons 19 for the tracks/MP3 files you want to program in the order you want.

To cancel Program Play
Stop playing first. Then press MODE 14 until "PGM" disappears from the display.

To check the order of tracks/MP3 files before play
Press DISPLAY•ENTER•MEMORY 12 on the unit. Every time you press the button, the track number, MP3 file name or folder name appears in the programed order.

To change the current program
Press ■ 6 once if the CD is stopped and twice if the CD is playing. The current program will be erased. Then create a new program following the programing procedure.

Tips
- You can play the same program again, since the program is saved until you open the CD compartment.
- You can record your own program. After you have created the program, insert a blank tape and press ● 1 on the unit to start recording.
- The resume function does not work during Program Play.

Presetting radio stations

You can store radio stations into the unit's memory. You can preset up to 30 radio stations, 20 for FM and 10 for AM in any order.

1 Press RADIO BAND•AUTO PRESET 11 on the unit to select the band.
2 Hold down RADIO BAND•AUTO PRESET 11 on the unit for 2 seconds until "AUTO" flashes in the display.
3 Press DISPLAY•ENTER•MEMORY 12 on the unit.
The stations are stored in memory from the lower frequencies to the higher ones.

If a station cannot be preset automatically
You need to preset a station with a weak signal manually.

1 Press RADIO BAND•AUTO PRESET 11 on the unit to select the band.
2 Tune in a station you want.
3 Hold down DISPLAY•ENTER•MEMORY 12 on the unit for 2 seconds until the preset number flashes in the display.
4 Press PRESET + or – 5 on the unit until the preset number you want for the station flashes in the display.
5 Press DISPLAY•ENTER•MEMORY 12 on the unit.
The new station replaces the old one.

On the remote

1 Press BAND 20 until the band you want appears in the display.
2 Tune in a station you want.
3 Hold down the number buttons 19 that you want to preset the new station on for about 2 seconds.
To select the preset number over 10, press >10 19 first, then the corresponding number buttons 19.
You need to hold down the last number button to enter for about 2 seconds.
(Example: To select 12, press >10 and 1 first, then hold down 2 for about 2 seconds.)

Tip
The preset radio stations remain in memory even if you unplug the AC power cord or remove the batteries.

Playing preset radio stations

1 Press RADIO BAND•AUTO PRESET 11 on the unit to select the band.
2 Press PRESET + or – 5 on the unit to tune in the stored station.

On the remote

1 Press BAND 20.
2 Press the number buttons 19 to tune in the stored station.
To tune in a preset station over 10, press >10 19 first, then corresponding number buttons 19.
(Example: To tune in a preset station 12, press >10 and 1 first, and then press 2.)

Falling asleep to music

Use buttons on the remote for the operation.

1 Play the music source you want.
2 Press SLEEP 17 on the remote to display "SLEEP."
3 Press SLEEP 17 on the remote to select the minutes until the unit goes off automatically.
Each time you press the button, the indication changes as follows:
"60" → "90" → "120" → "OFF" → "10" → "20" → "30".
If 4 seconds have passed after you press SLEEP 17, the minutes in the display are entered.
When the preset time has passed, the unit goes off automatically.

To cancel the sleep function
Press POWER 15 to turn off the power.

Note
When you are playing a tape using this function:
If the tape length of one side is longer than the set time, the unit will not go off until the tape reaches the end.

Using the Karaoke function (KARAOKE PON)

This function reduces the vocal component of the sound source so that you can enjoy Karaoke with your CDs, Tapes, or radio programs.
Use buttons on the unit for the operation.

1 Connect a microphone (not supplied) to the MIC MIX 13 jack on the unit.
If the microphone has a power switch, set the switch to ON.
2 Press POWER 15 to turn on the unit.
3 Press KARAOKE PON 13 on the unit.
The indicator beside the KARAOKE PON button 13 lights up.
4 Play the sound source.
5 Turn MIC LEVEL 13 on the unit to adjust the microphone volume.

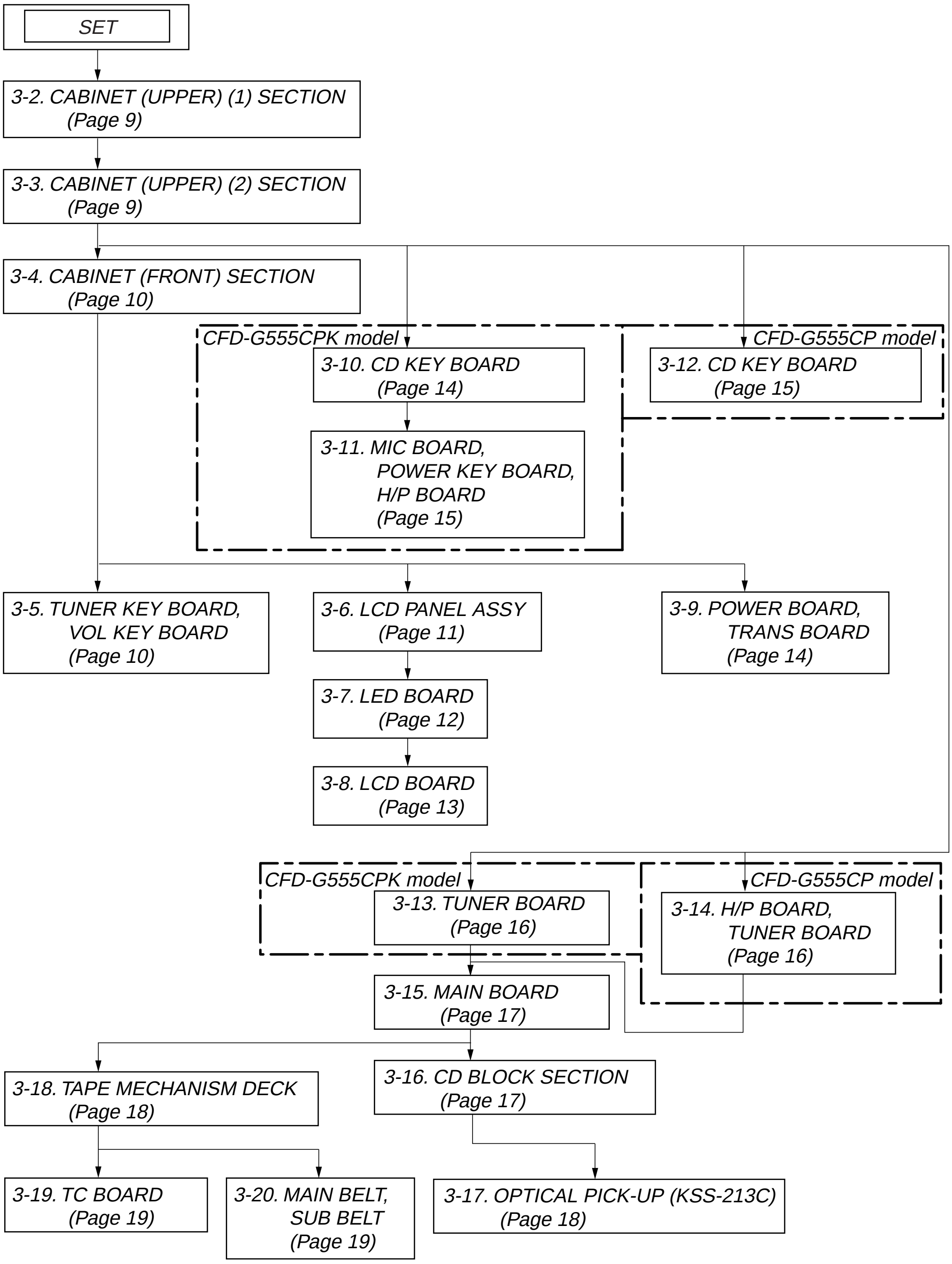
To cancel the Karaoke function
Press KARAOKE PON 13 or press POWER 15 to turn off the unit.

Notes
- Microphones with a built-in echo function can cause a howling sound. Keep the volume of the microphone low with the MIC LEVEL control 13.
- When the howling occurs, turn the head of the microphone away from the speakers.
- When recording from CDs or radio programs with the Karaoke function is on, only the original sound (with the vocal component) will be recorded on the tape.
- Input from a microphone connected to the MIC MIX 13 jack cannot be recorded.
- Even when the Karaoke function is on, the vocal component may not be reduced or adequately reduced for some sound sources.

SECTION 3
DISASSEMBLY

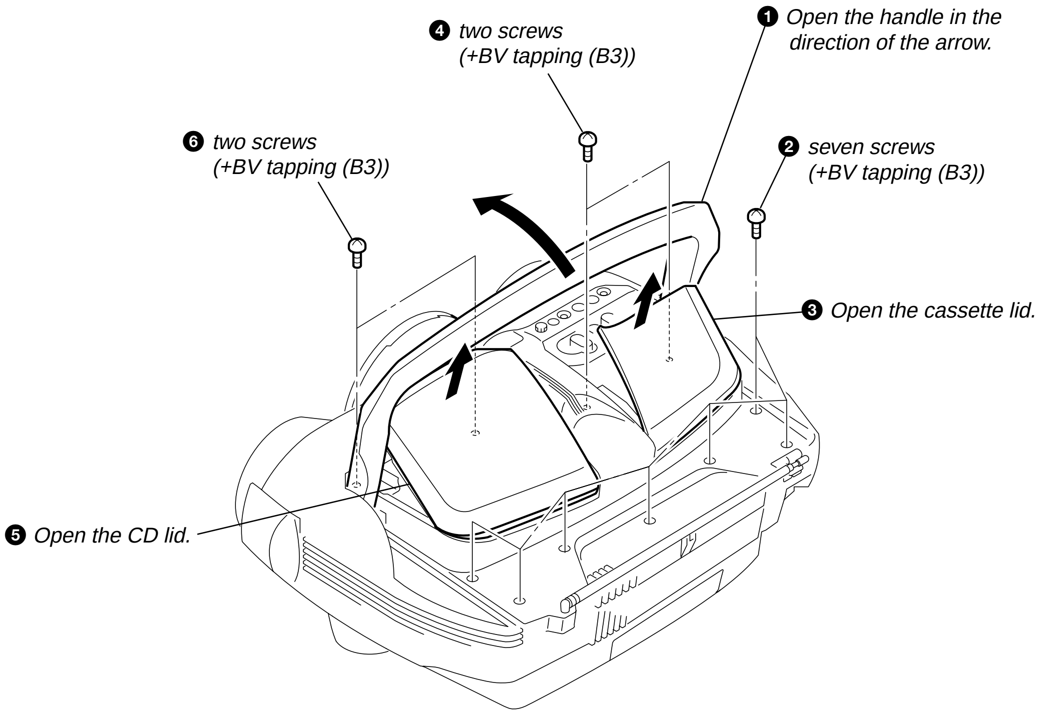
3-1. DISASSEMBLY FLOW

- This set can be disassembled in the order shown below.

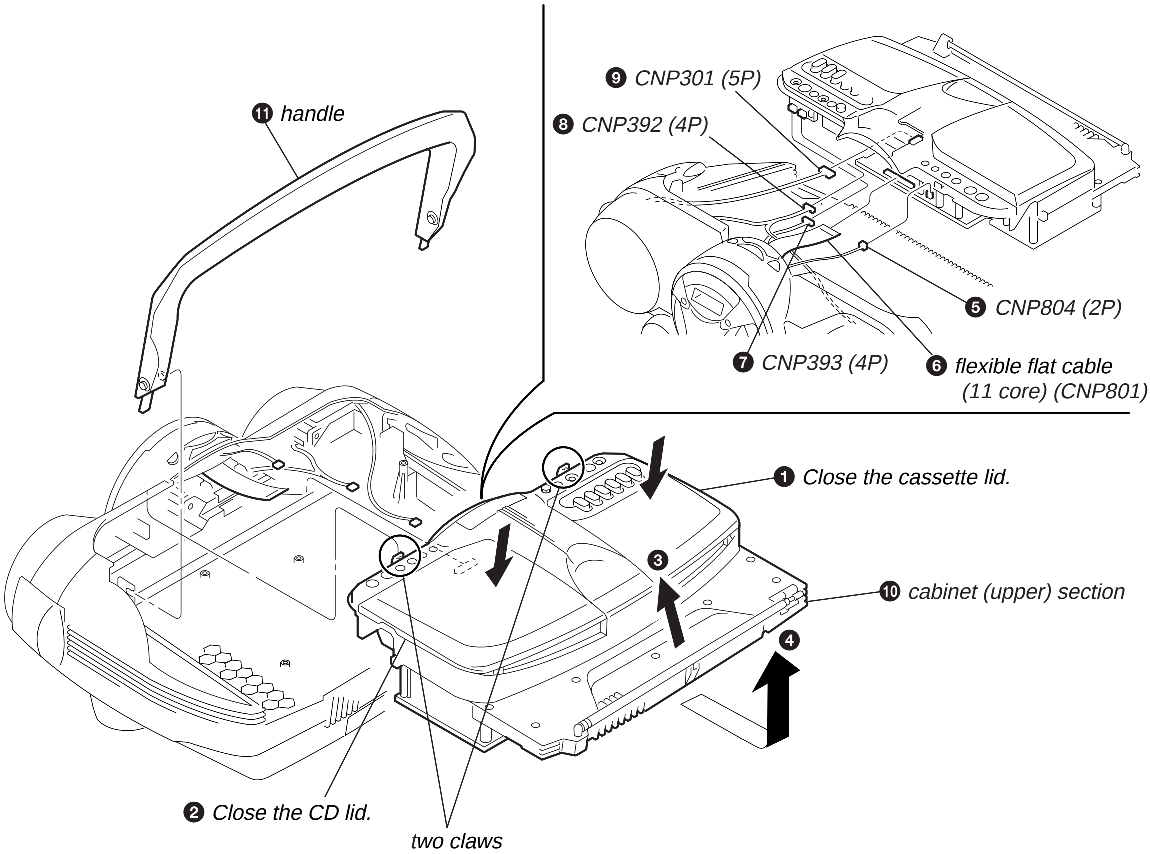


Note: Follow the disassembly procedure in the numerical order given.

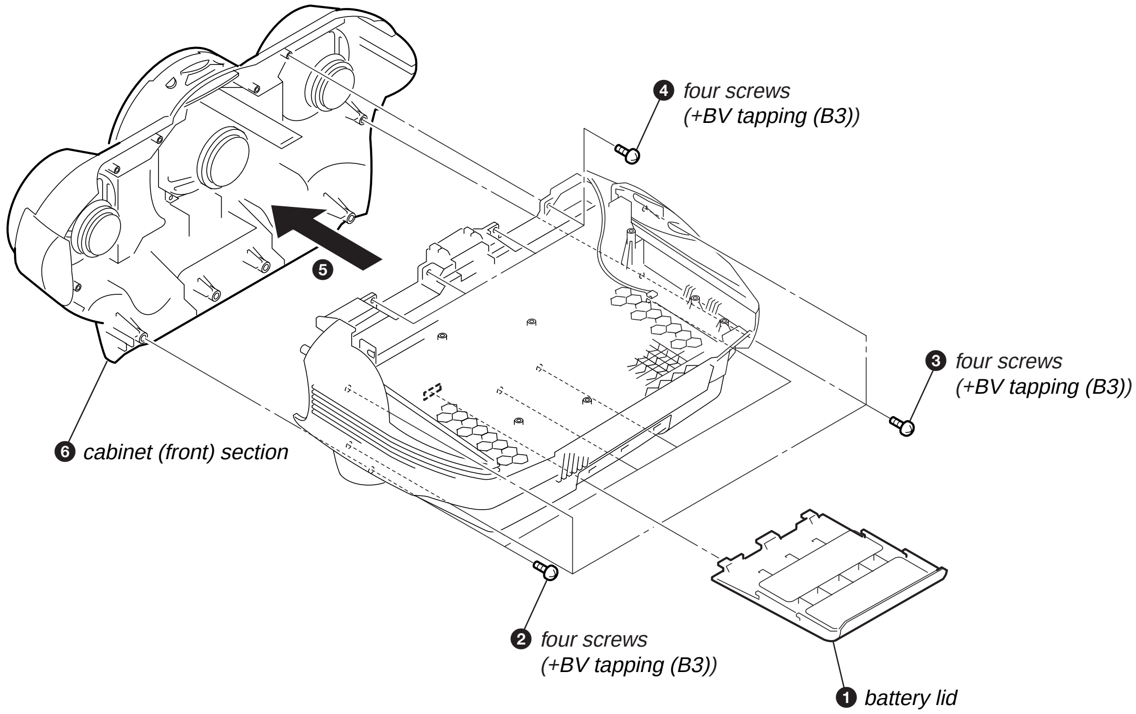
3-2. CABINET (UPPER) (1) SECTION



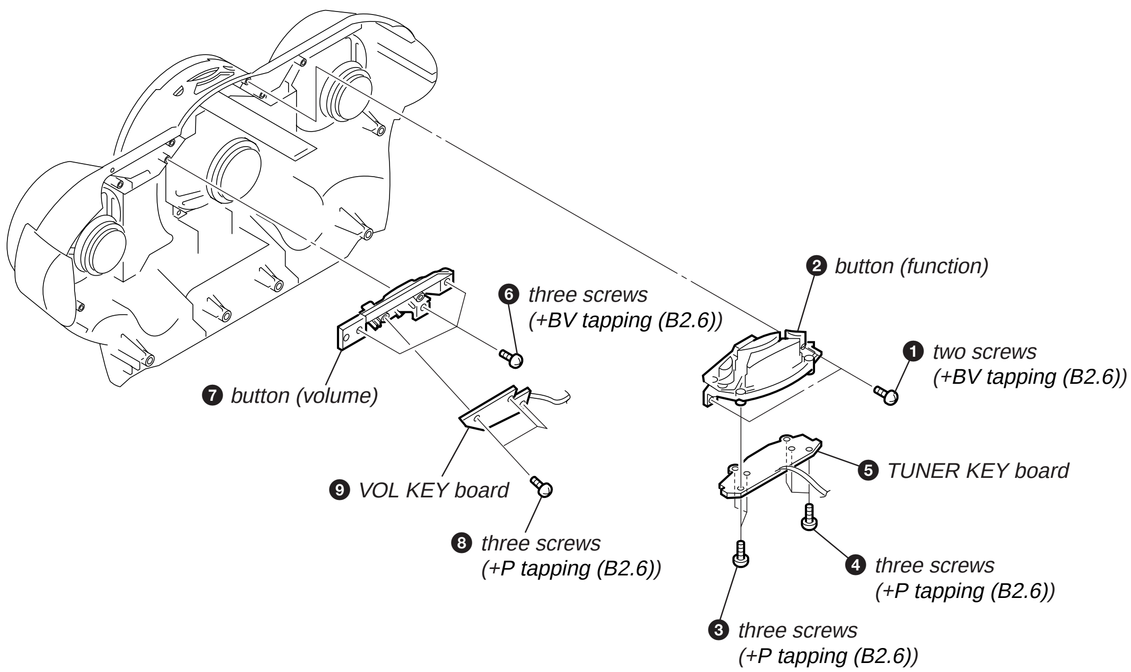
3-3. CABINET (UPPER) (2) SECTION



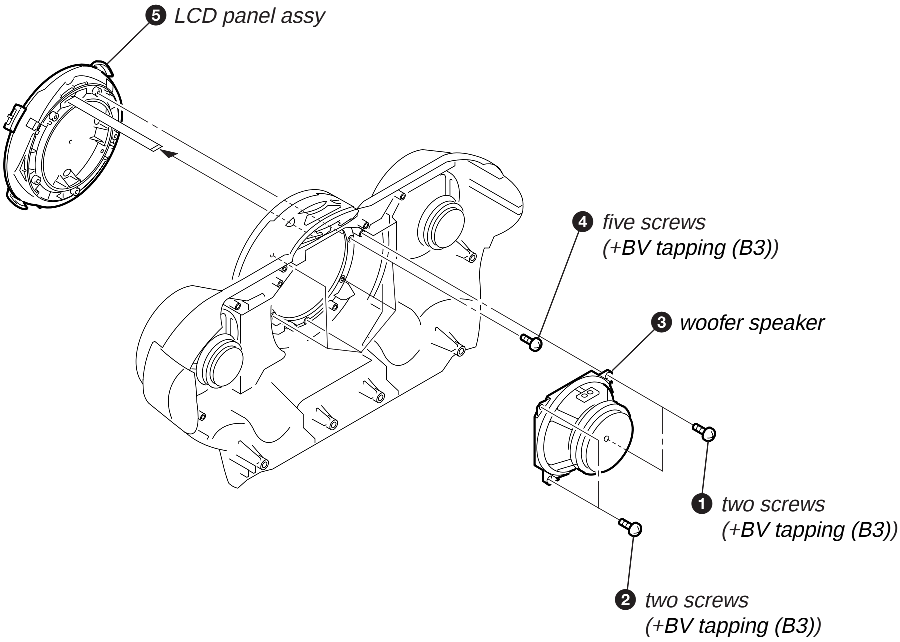
3-4. CABINET (FRONT) SECTION



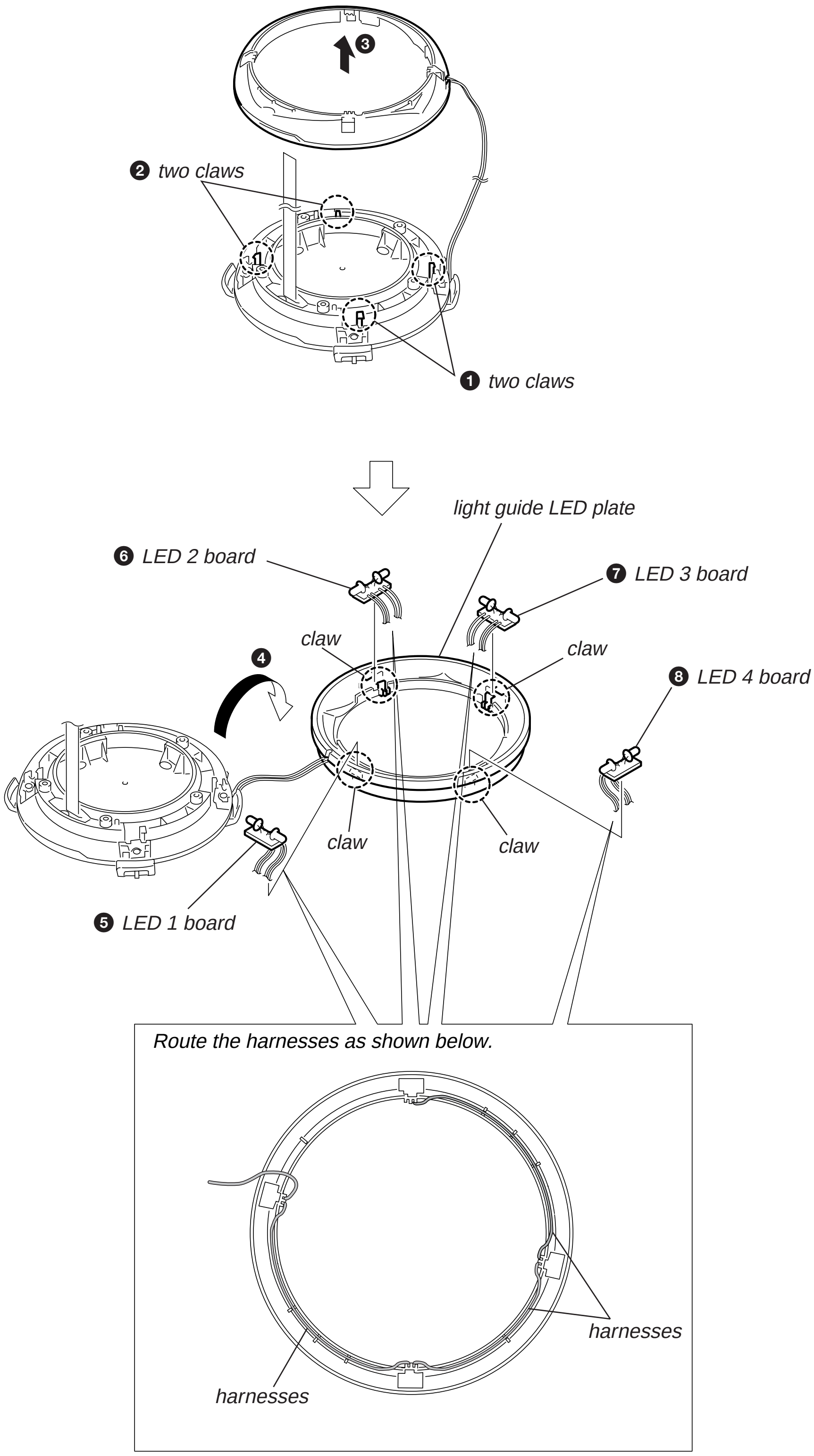
3-5. TUNER KEY BOARD, VOL KEY BOARD



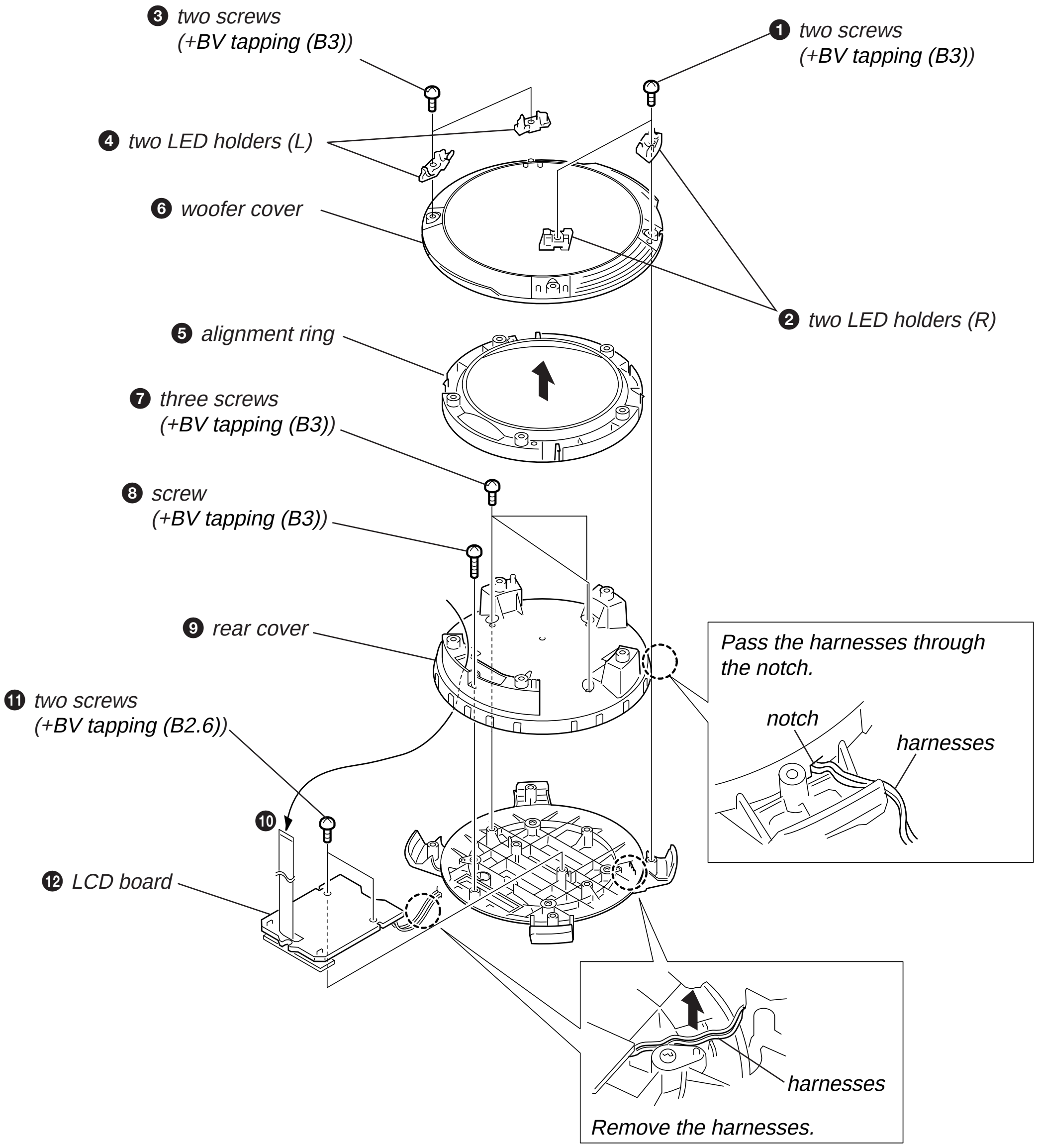
3-6. LCD PANEL ASSY



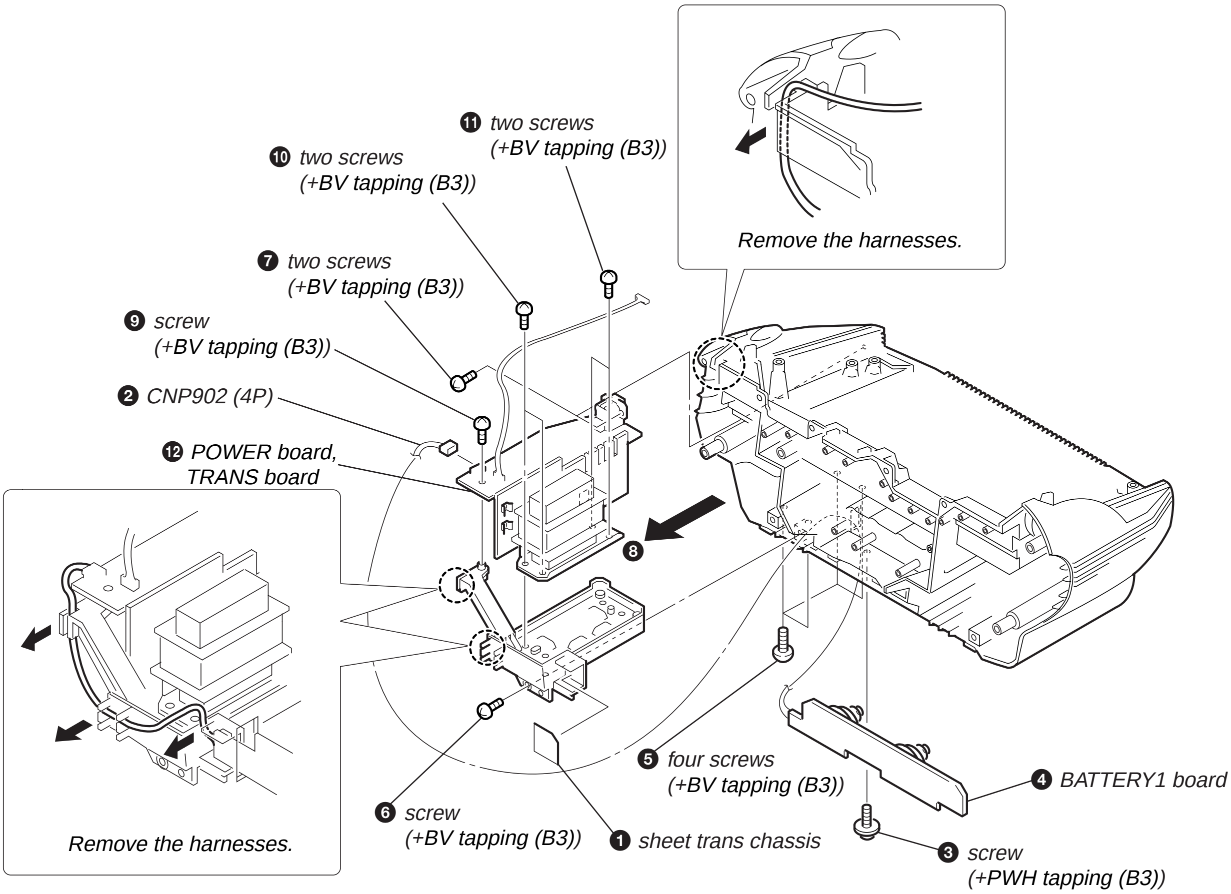
3-7. LED BOARD


❸
❷ two claws
❶ two claws
light guide LED plate
❻ LED 2 board
❼ LED 3 board
claw
claw
❹
❽ LED 4 board
claw
claw
❺ LED 1 board
Route the harnesses as shown below.
harnesses
harnesses

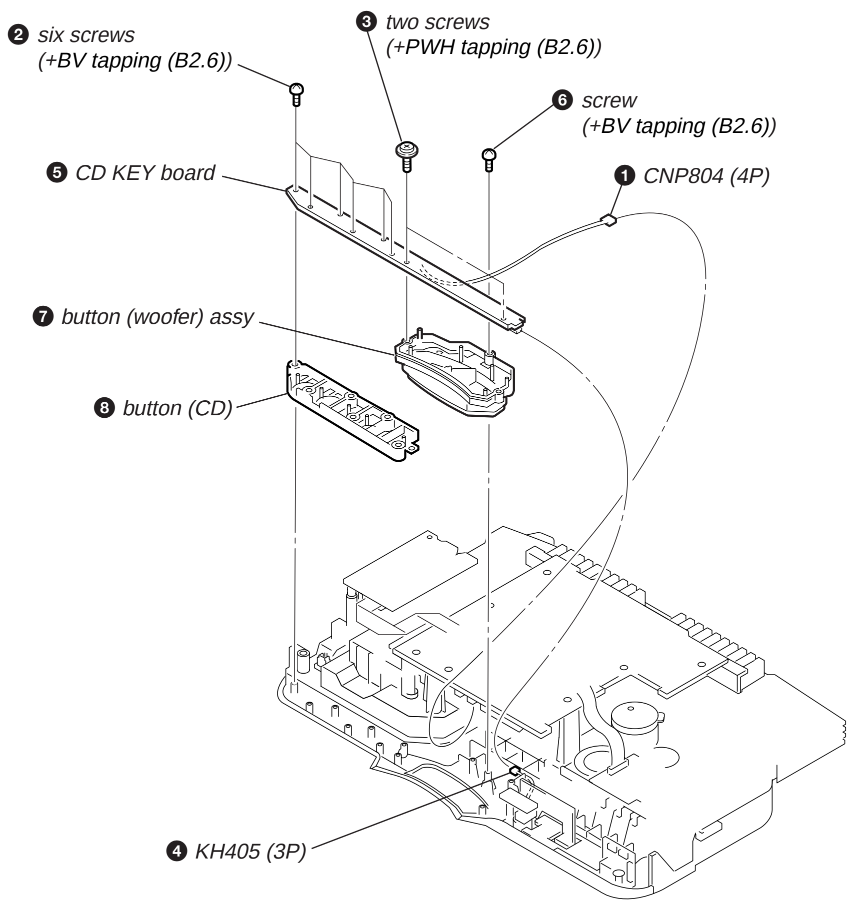
3-8. LCD BOARD


❸ two screws
(+BV tapping (B3))
❶ two screws
(+BV tapping (B3))
❹ two LED holders (L)
❻ woofer cover
❷ two LED holders (R)
❺ alignment ring
❼ three screws
(+BV tapping (B3))
❽ screw
(+BV tapping (B3))
❾ rear cover
Pass the harnesses through the notch.
notch
harnesses
⓫ two screws
(+BV tapping (B2.6))
❿
⓬ LCD board
harnesses
Remove the harnesses.

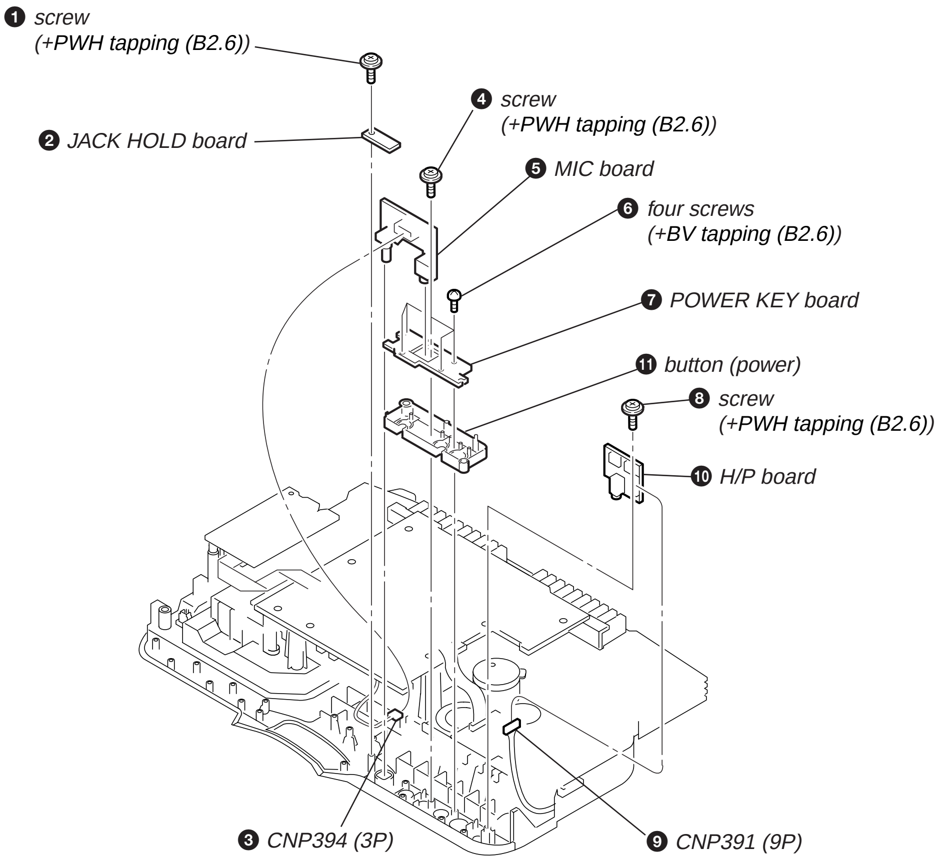
3-9. POWER BOARD, TRANS BOARD



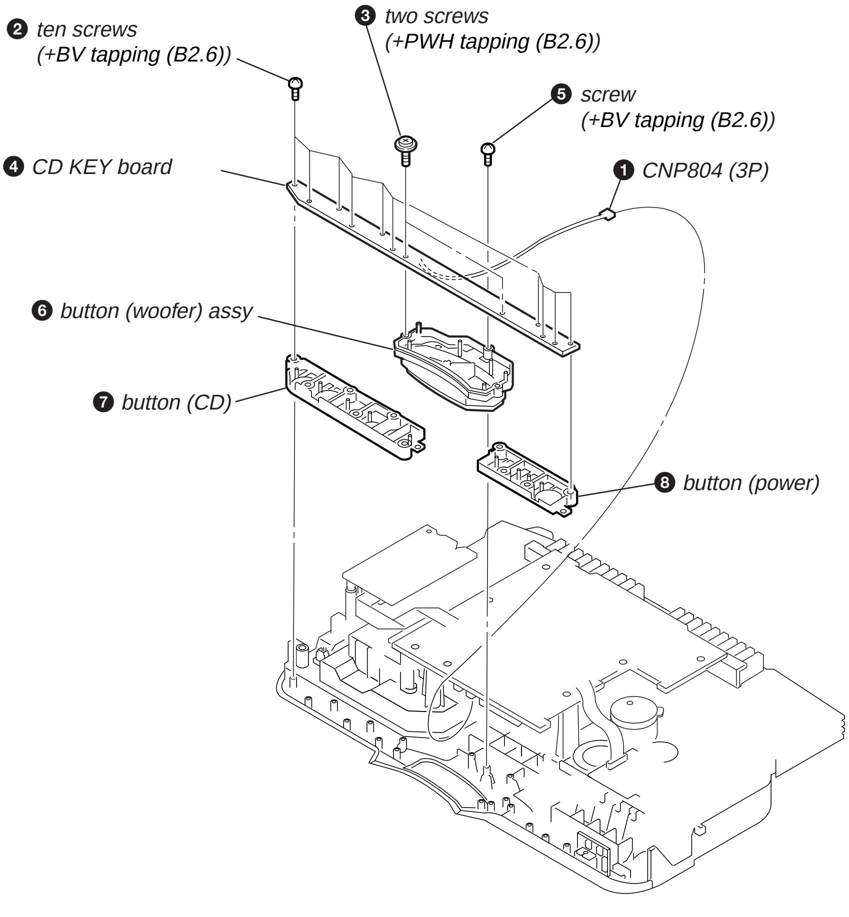
3-10. CD KEY BOARD (CFD-G555CPK)



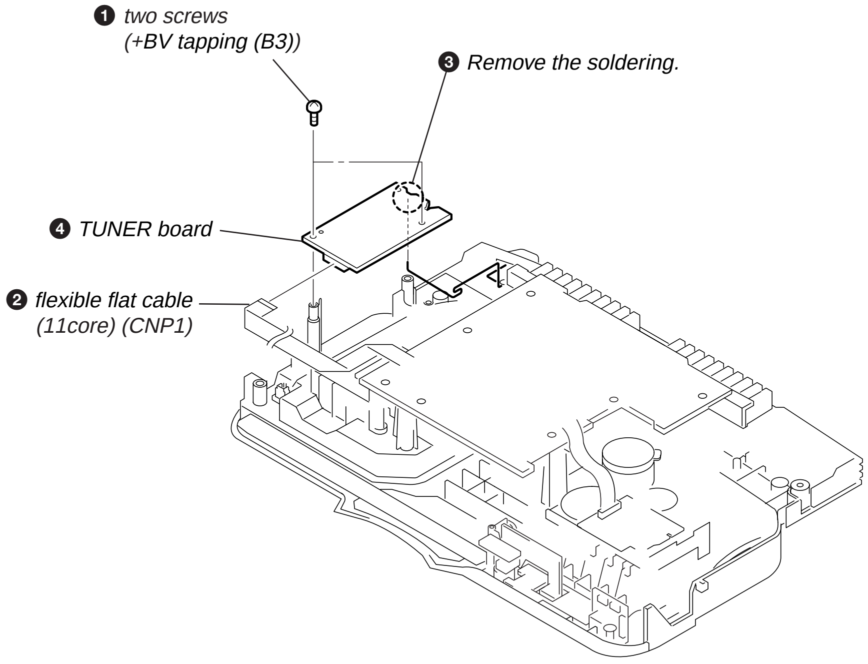
3-11. MIC BOARD, POWER KEY BOARD, H/P BOARD (CFD-G555CPK)



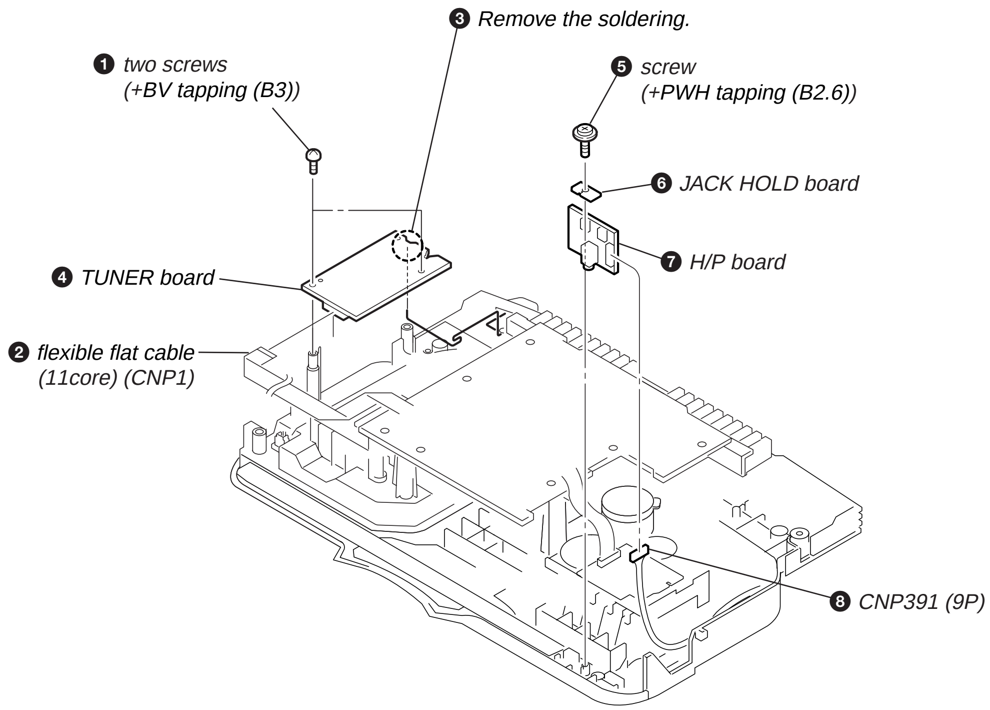
3-12. CD KEY BOARD (CFD-G555CP)



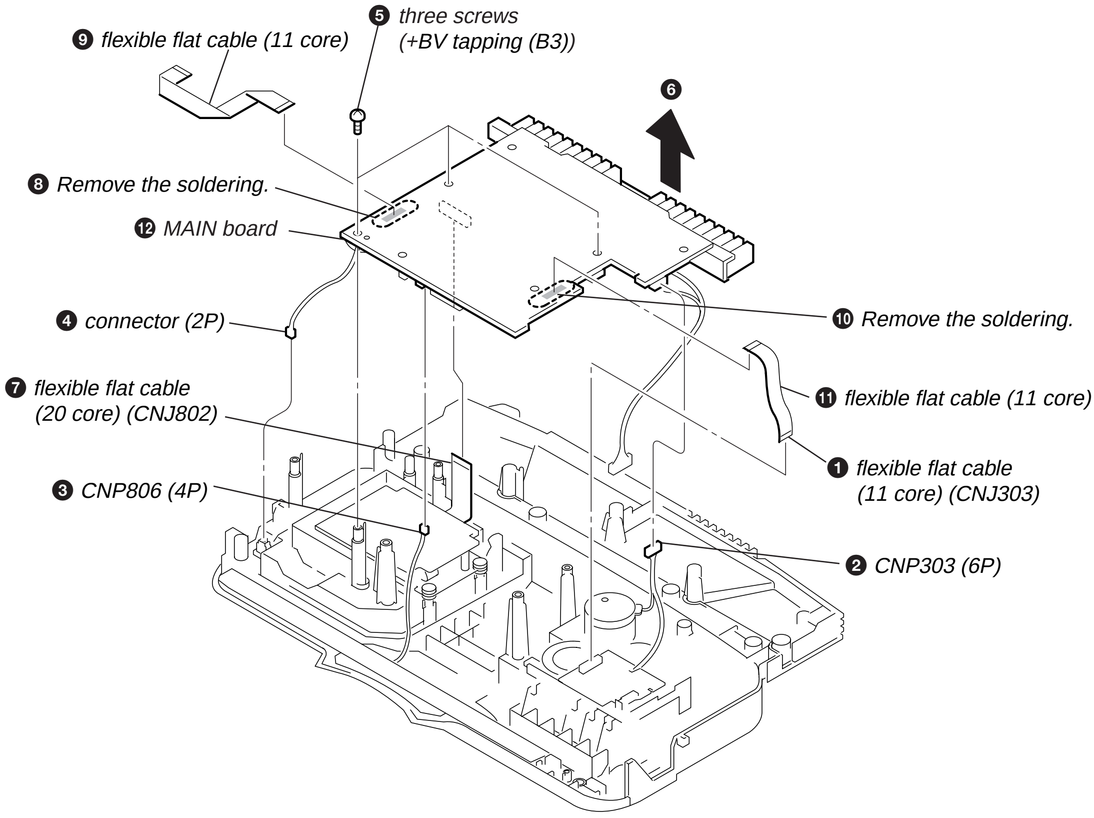
3-13. TUNER BOARD (CFD-G555CPK)



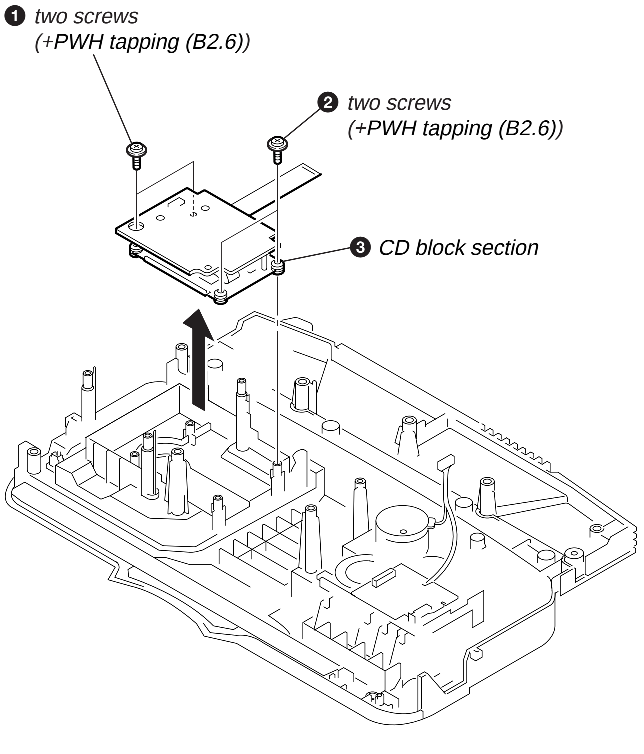
3-14. H/P BOARD, TUNER BOARD (CFD-G555CP)



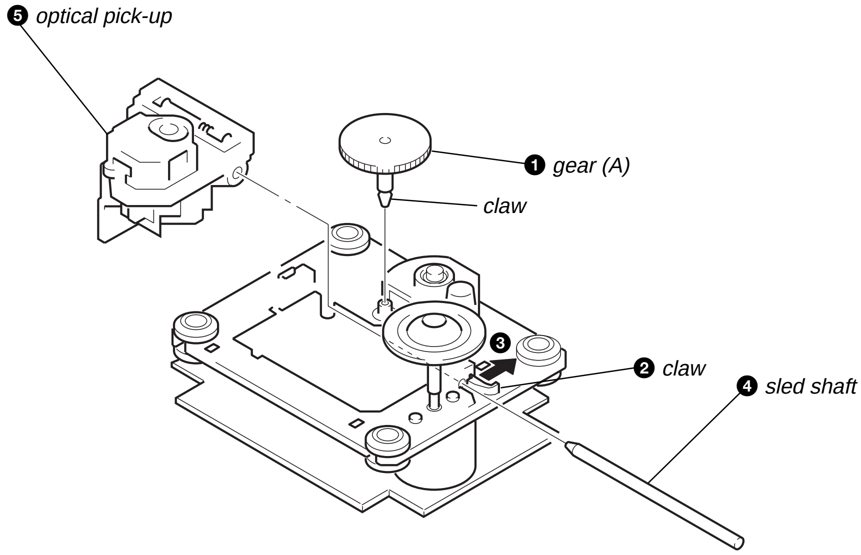
3-15. MAIN BOARD



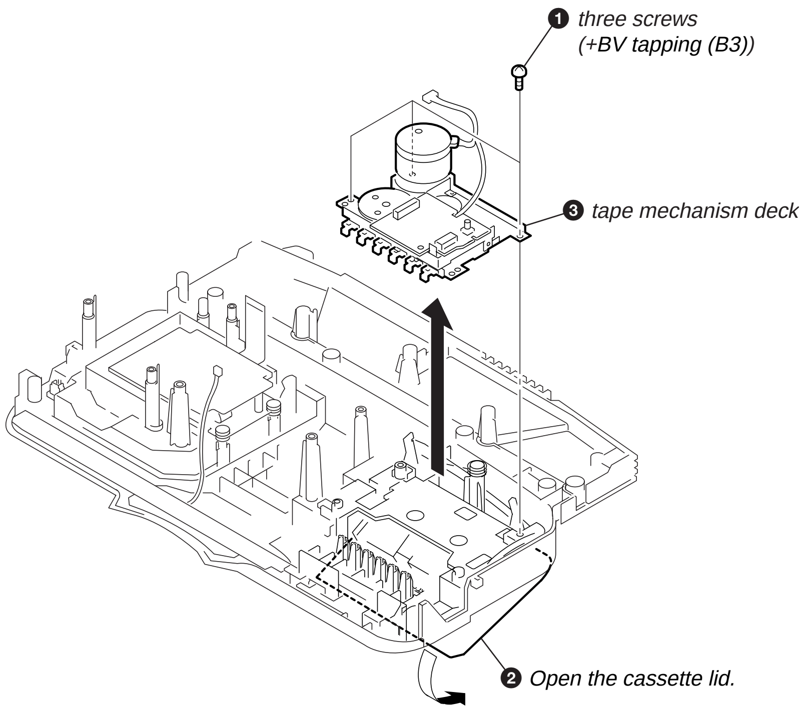
3-16. CD BLOCK SECTION



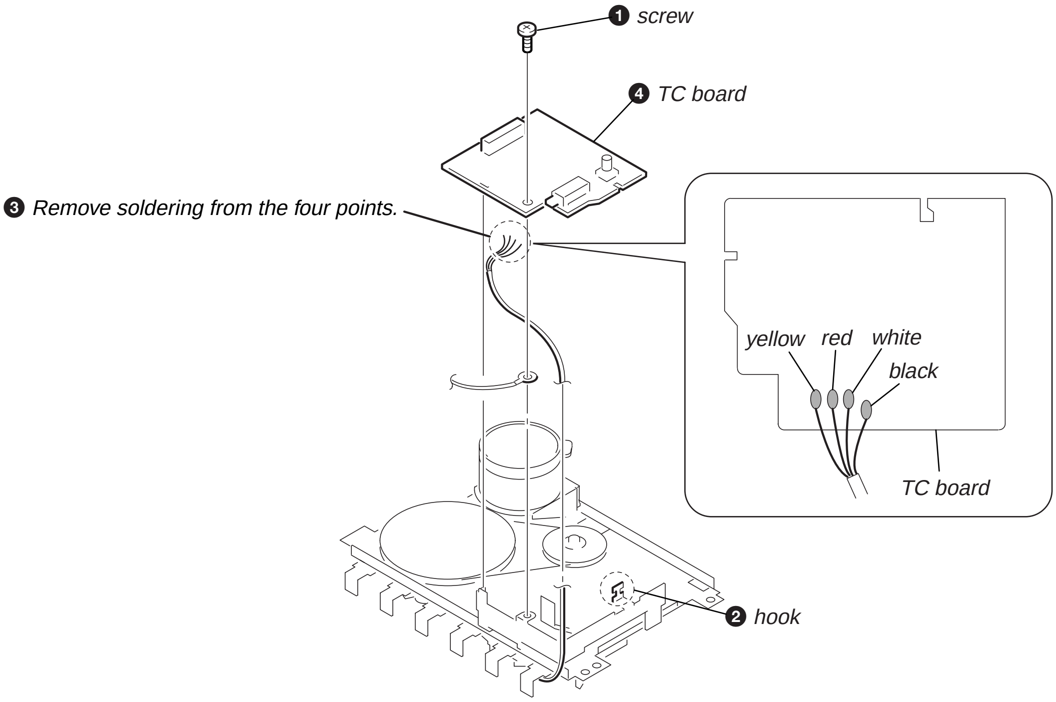
3-17. OPTICAL PICK-UP (KSS-213C)



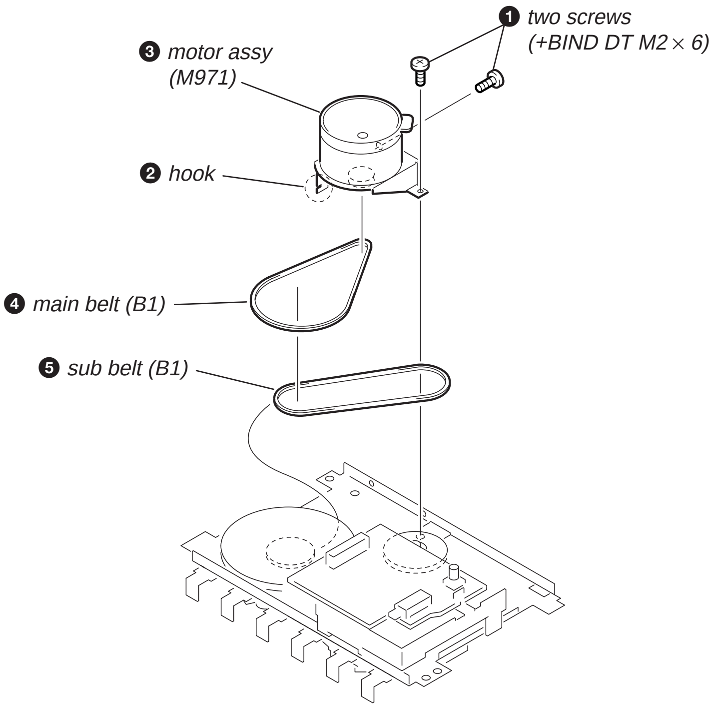
3-18. TAPE MECHANISM DECK



3-19. TC BOARD



3-20. MAIN BELT, SUB BELT



SECTION 4
MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab :
   record/playback head pinch roller
   erase head rubber belts
   capstan idlers
2. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head magnetizer close to the erase head.)
3. Do not use a magnetized screwdriver for the adjustments.
4. The adjustments should be performed with the rated power supply voltage (9V) unless otherwise noted.

Torque Measurement

Mode	Torque meter	Meter reading
FWD	CQ-102C	2.95 – 6.86 mN • m (30 – 70 g • cm) (0.42 – 0.97 oz • inch)
FWD Back Tension	CQ-102C	0.15 – 0.53 mN • m (1.5 – 5.5 g • cm) (0.021 – 0.076 oz • inch)
FF	CQ-201B	more than 5.88 mN • m (more than 60 g • cm) (more than 0.83 oz • inch)
REW	CQ-201B	more than 5.88 mN • m (more than 60 g • cm) (more than 0.83 oz • inch)

Tape Tension Measurement

Mode	Torque meter	Meter reading
FWD	CQ-403A	more than 100 g (more than 3.53 oz)

SECTION 5
ELECTRICAL ADJUSTMENTS

TAPE SECTION 0 dB = 0.775 V

• Standard Output Level

Output terminal	HP OUT
load impedance	32 Ω
output signal level	0.25 V (–10 dB)

• Test Tape

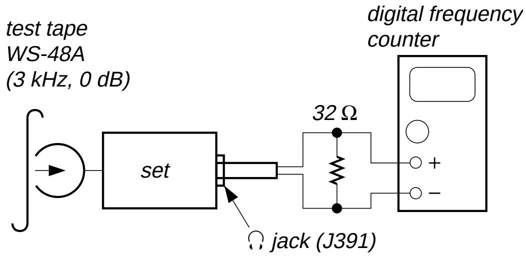
Type	Signal	Used for
WS-48A	3 kHz, 0 dB	tape speed adjustment

Tape Speed Adjustment

Procedure:

Mode: playback

Adjust so that the value on the digital frequency counter is 3,000 Hz.

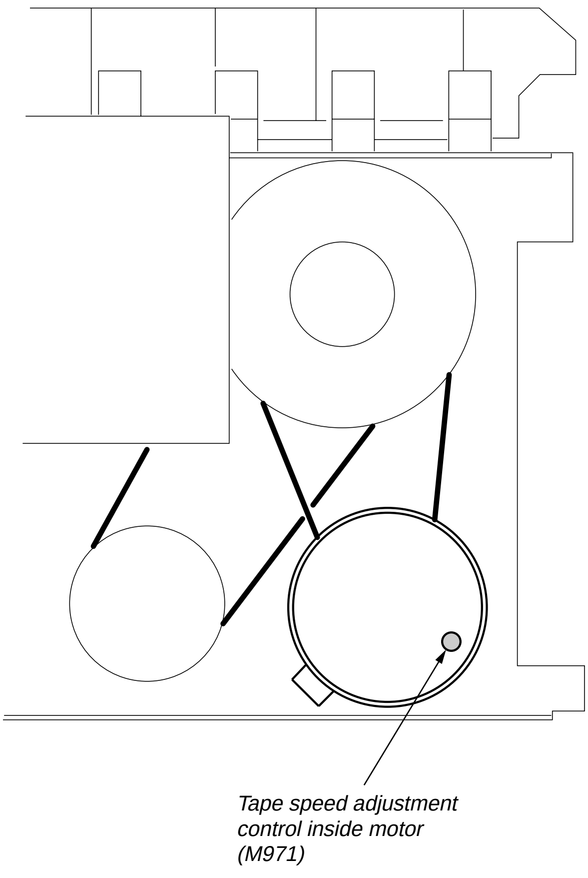


Specification Value:

Digital frequency counter
2,940 to 3,060 Hz

Adjust so that the frequency at the beginning and that at the end of tape winding are between 2,970 to 3,030 Hz.

Adjustment Location:

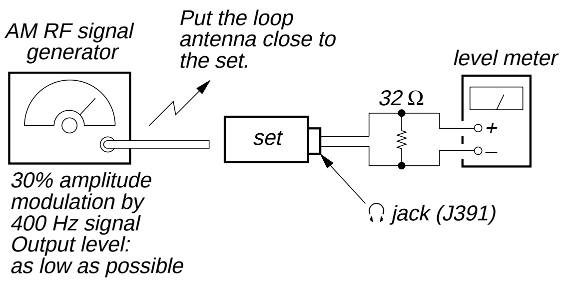


TUNER SECTION

0 dB = 1 µV

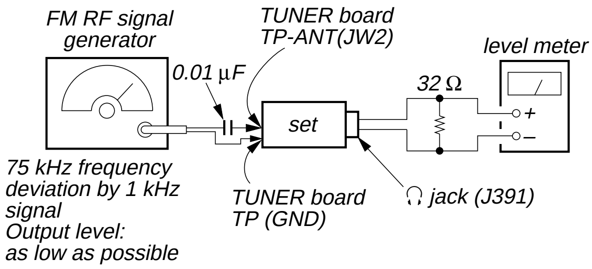
• AM Section

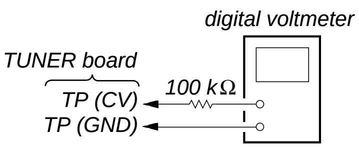
Setting:
RADIO BAND•AUTO PRESET button: AM



• FM Section

Setting:
RADIO BAND•AUTO PRESET button: FM





- Repeat the procedures in each adjustment several times, and the tracking adjustments should be finally done by the trimmer capacitors.
- Remove FM antenna in FM adjustment.

AM IF ADJUSTMENT
Adjust for a maximum reading on level meter.
T1
450 kHz

AM FREQUENCY COVERAGE ADJUSTMENT		
Frequency Display	531 kHz	1,611 kHz
Reading on Digital voltmeter	1.0 ± 0.05 V	4.8 ± 0.7 V
Adjustment Part	L4	<confirmation>

AM TRACKING ADJUSTMENT	
Adjust for a maximum reading on level meter.	
L3	CT3
621 kHz	1,404 kHz

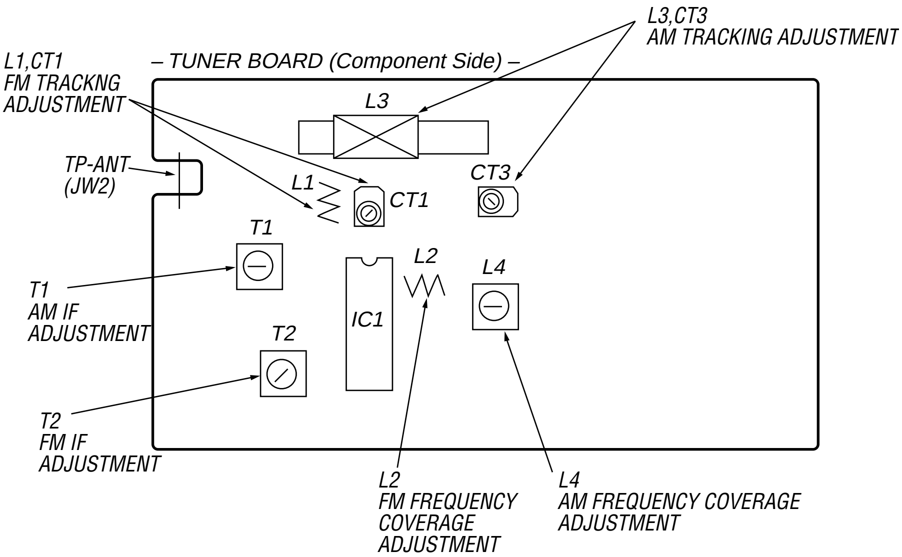
FM IF ADJUSTMENT
Adjust for a maximum reading on level meter.
T2
10.7 MHz

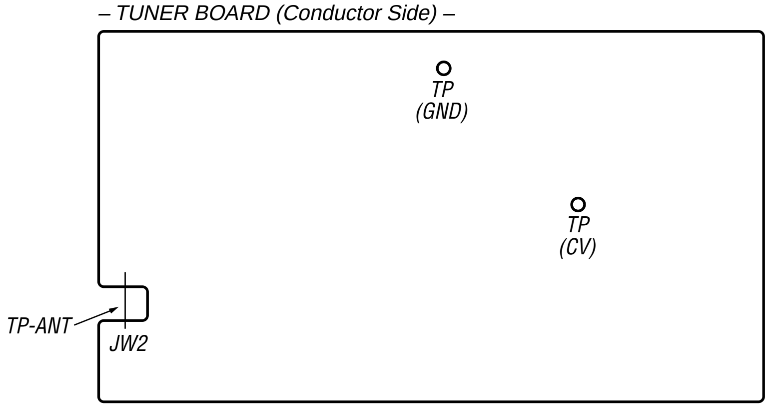
FM FREQUENCY COVERAGE ADJUSTMENT		
Frequency Display	87.5 MHz	108 MHz
Reading on Digital voltmeter	1.3 ± 0.3 V	3.0 ± 0.2 V
Adjustment Part	<confirmation>	L2

FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on level meter.	
L1	CT1
87.5 MHz	108 MHz

Adjustment Location: See page 22.

Adjustment Location:





CD SECTION

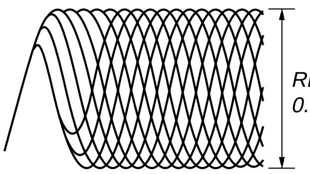
CD section adjustments are done automatically in this set.
In case of operation check, confirm that focus bias.

FOCUS BIAS CHECK

1. Connect the oscilloscope between IC701 pin ④ and pin ⑪ (or TP (RF) and TP (VC)).
2. Insert the disc (YEDS-18). (Part No. : 3-702-101-01)
3. Press the ▶❙❙ (CD) button.
4. Confirm that the oscilloscope waveform is as shown in the figure below. (eye pattern)
   A good eye pattern means that the diamond shape (◇) in the center of the waveform can be clearly distinguished.

- RF signal reference waveform (eye pattern)

VOLT/DIV : 50 mV (10 : 1 probe in use)
TIME/DIV : 500 nS

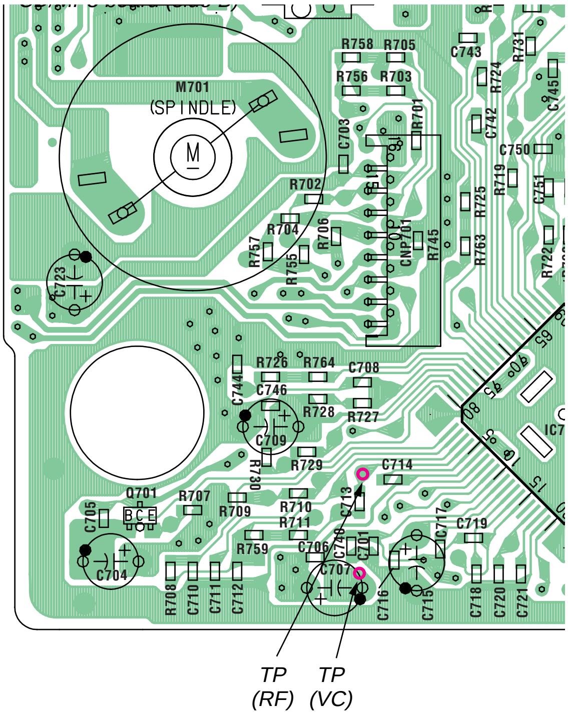


RF level :
0.85 ± 0.2 Vp-p

When observing the eye pattern, set the oscilloscope for AC range and raise vertical sensitivity.

Test Point:

– CD/MP3 Board (Side B) –



SECTION 6
DIAGRAMS

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

For Schematic Diagrams.
Note:
- All capacitors are in μF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $^{1}/_{4}$ W or less unless otherwise specified.
- Δ : internal component.
- ▭ : panel designation.

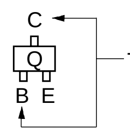
Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Note: Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

- ▭ : adjustment for repair.
- ━ : B+ Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  – CD/MP3 Board –
  no mark : CD PLAY
  – TUNER Board –
  no mark : FM
  ( ) : AM
  – TC Board –
  no mark : FM
  ( ) : PB
  < > : REC
  [ ] : CD PLAY
  – MAIN Board –
  no mark : FM
  < > : CD PLAY
  – Other Boards –
  no mark : FM
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : FM
  ➡ : AM
  : TAPE PLAY
  : TAPE REC
  : CD
  ▷ : MIC (G555CPK)
- Abbreviation
  AUS : Australian model.
  CND : Canadian model.
  E41 : AC 230 V area in E model.
  E92 : AC 120 V area in E model.
  MX : Mexican model.
  SP : Singapore model.

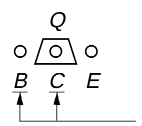
For Printed Wiring Boards.
Note:
- ○—— : parts extracted from the component side.
- —— : parts extracted from the conductor side.
- ⬚ : indicates side identified with part number.
- Δ : internal component.
- ▬ : Pattern from the side which enables seeing.
  (The other layers' patterns are not indicated.)

Caution:	
Pattern face side: (Side B)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Side A)	Parts on the parts face side seen from the parts face are indicated.

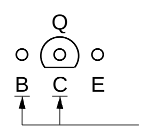
- Indication of transistor.



These are omitted.

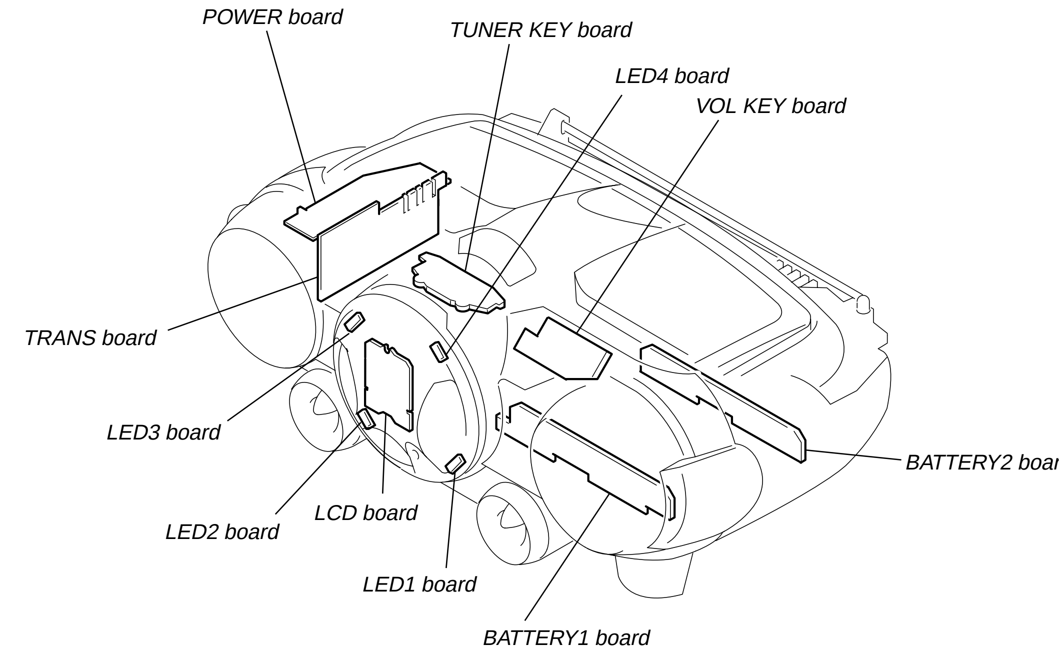


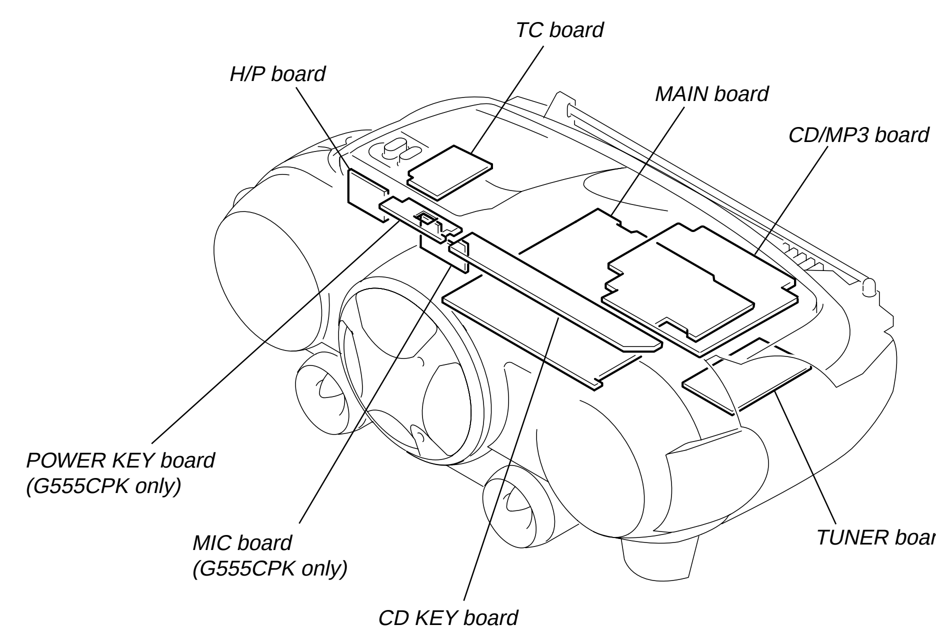
These are omitted.



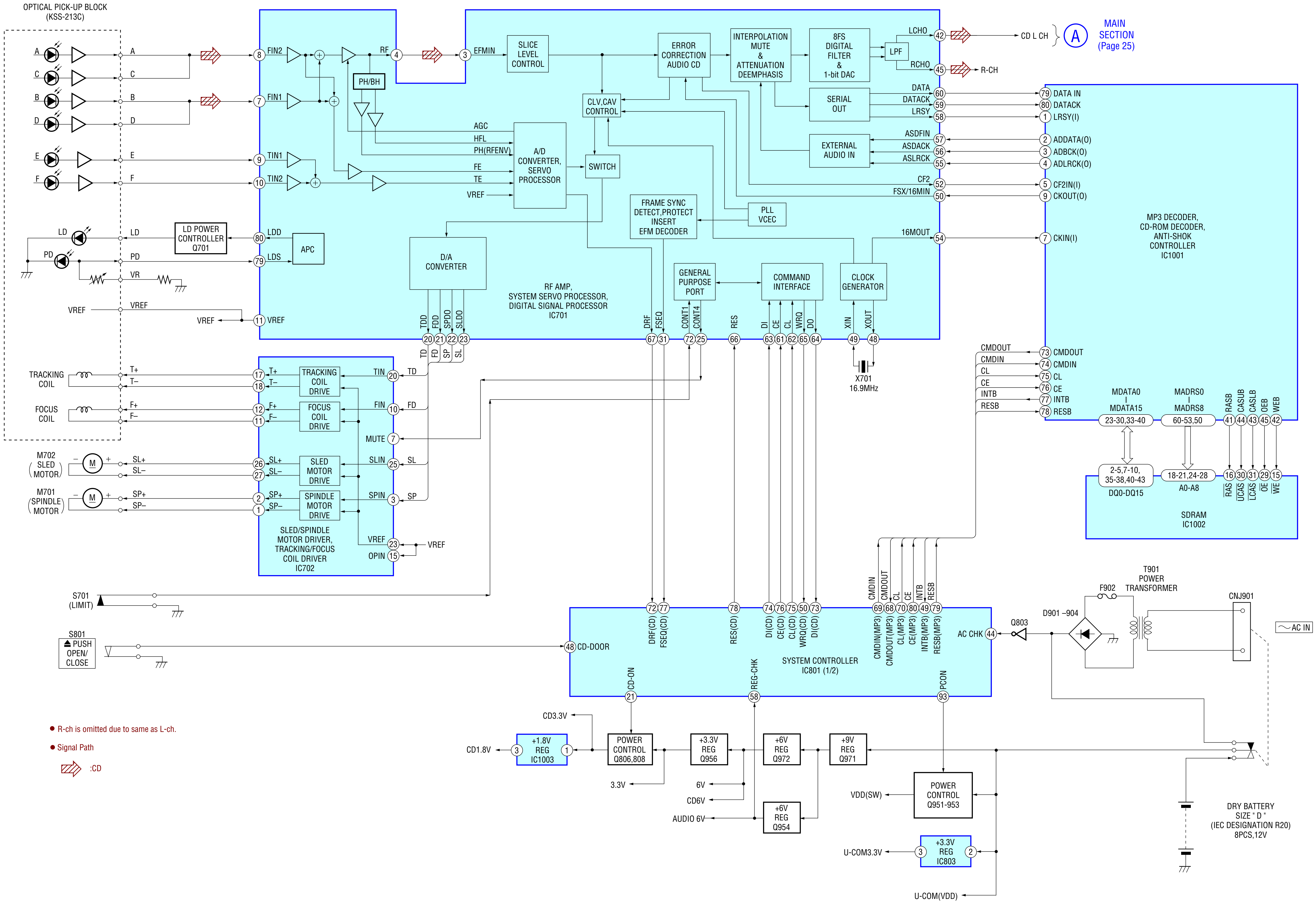
These are omitted.

- **Circuit Boards Location**

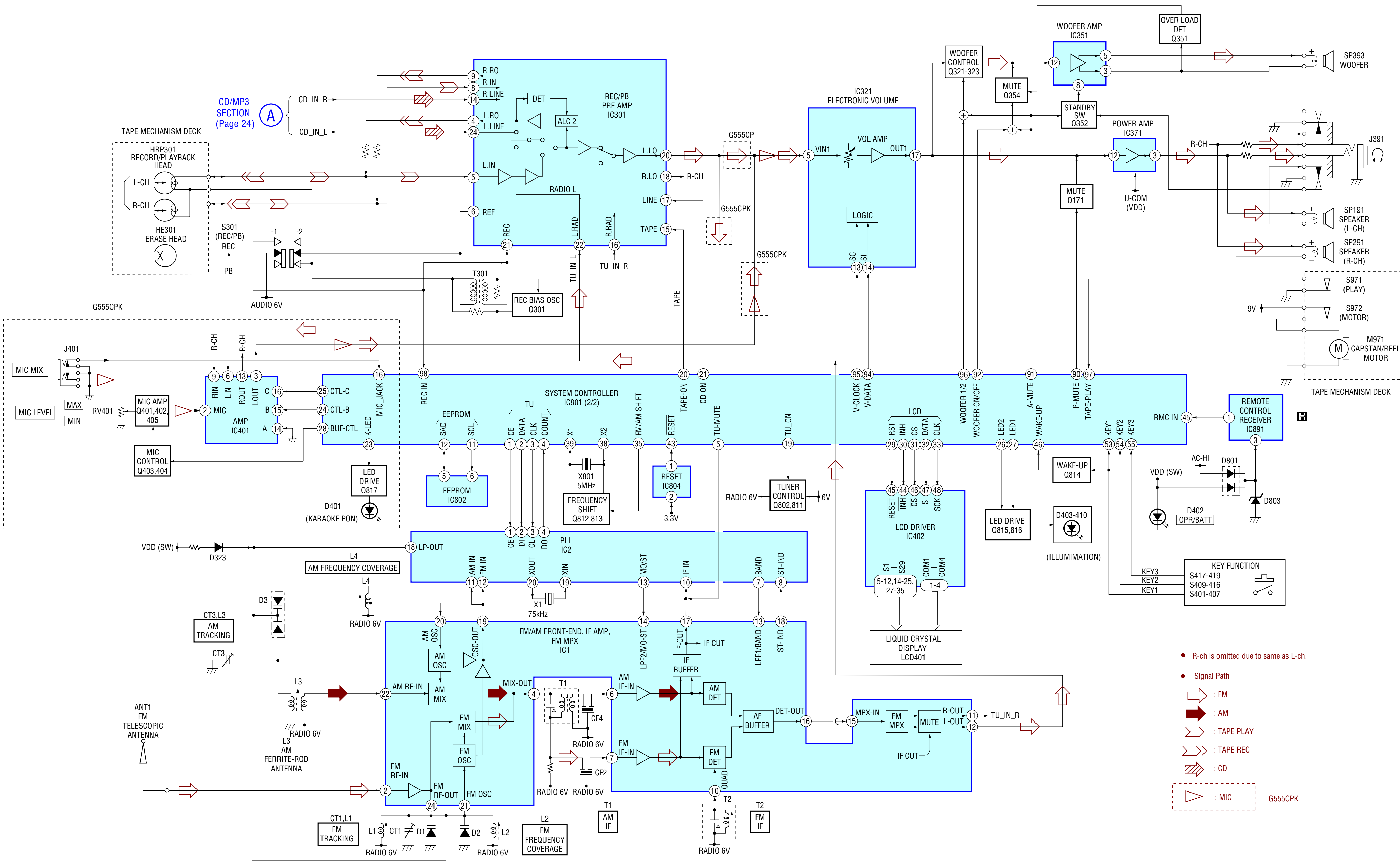




6-1. BLOCK DIAGRAM – CD/MP3 SECTION –



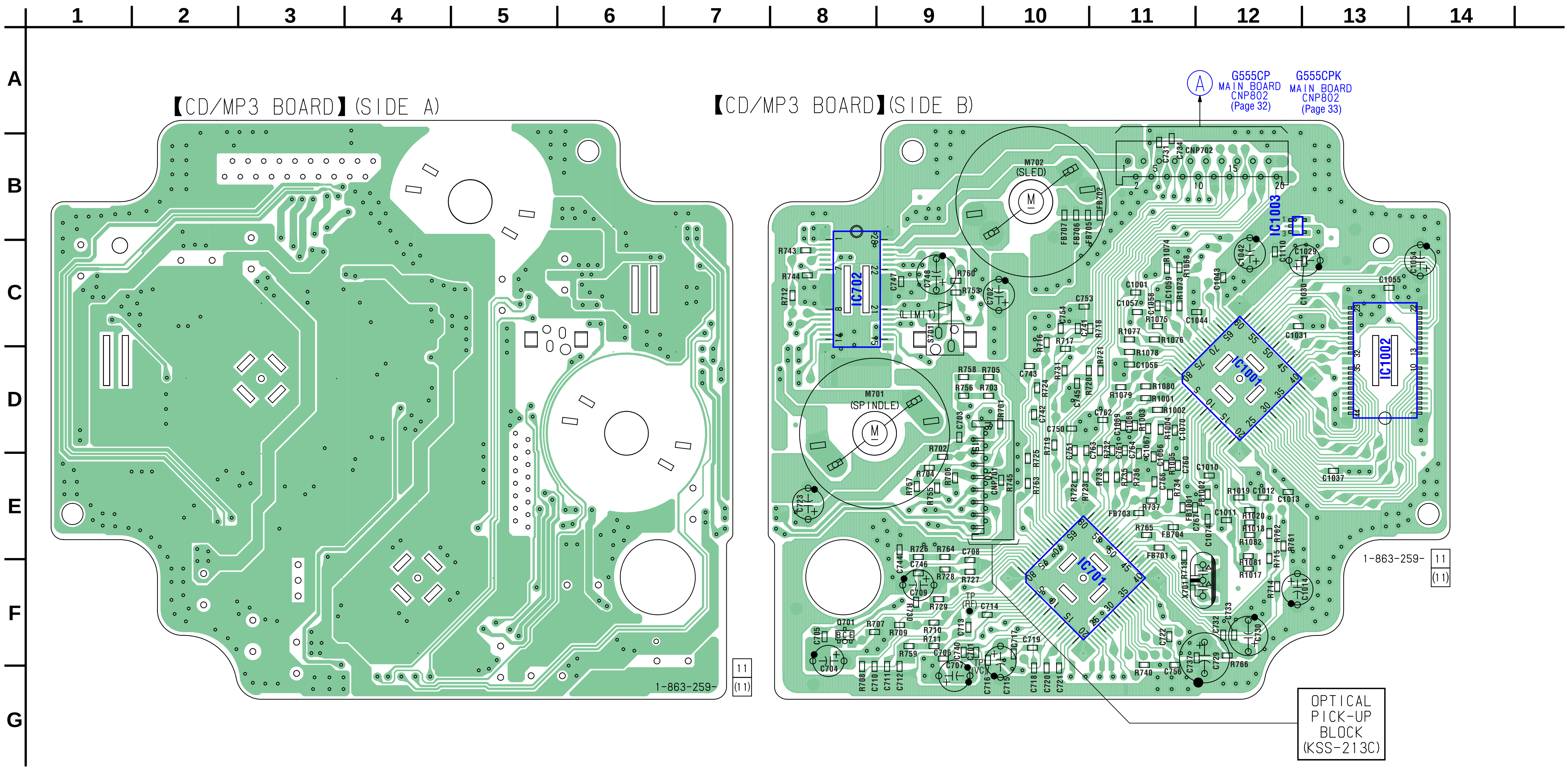
6-2. BLOCK DIAGRAM – MAIN SECTION –



- R-ch is omitted due to same as L-ch.
- Signal Path
  - : FM
  - : AM
  - : TAPE PLAY
  - : TAPE REC
  - : CD
  - : MIC G555CPK

6-3. PRINTED WIRING BOARD – CD SECTION –

• See page 23 for Circuit Boards Location. • :Uses unleaded solder.

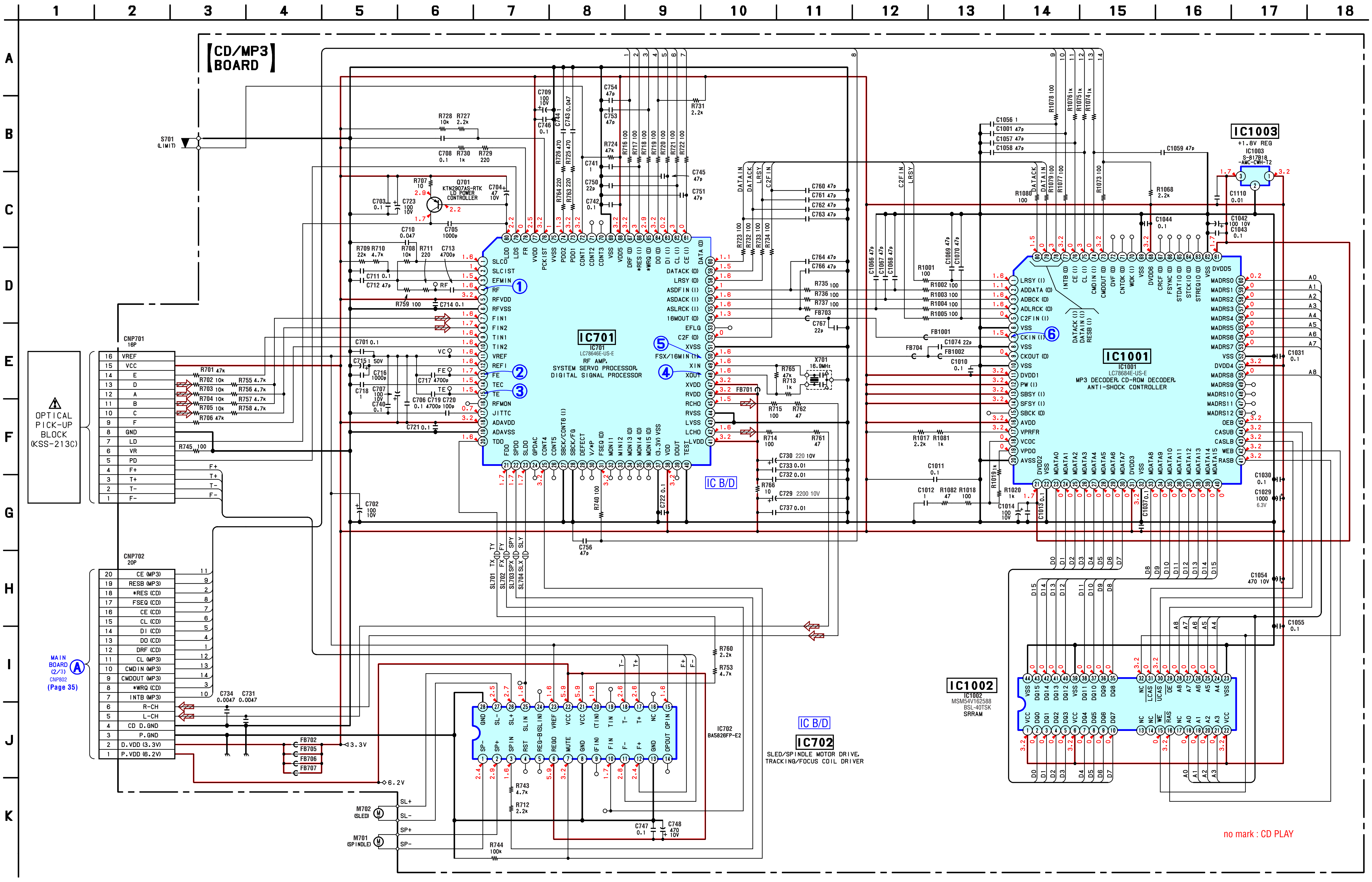


• **Semiconductor Location**

Ref. No.	Location
IC701	F-11
IC702	C-8
IC1001	D-12
IC1002	D-13
IC1003	B-12
Q701	F-8

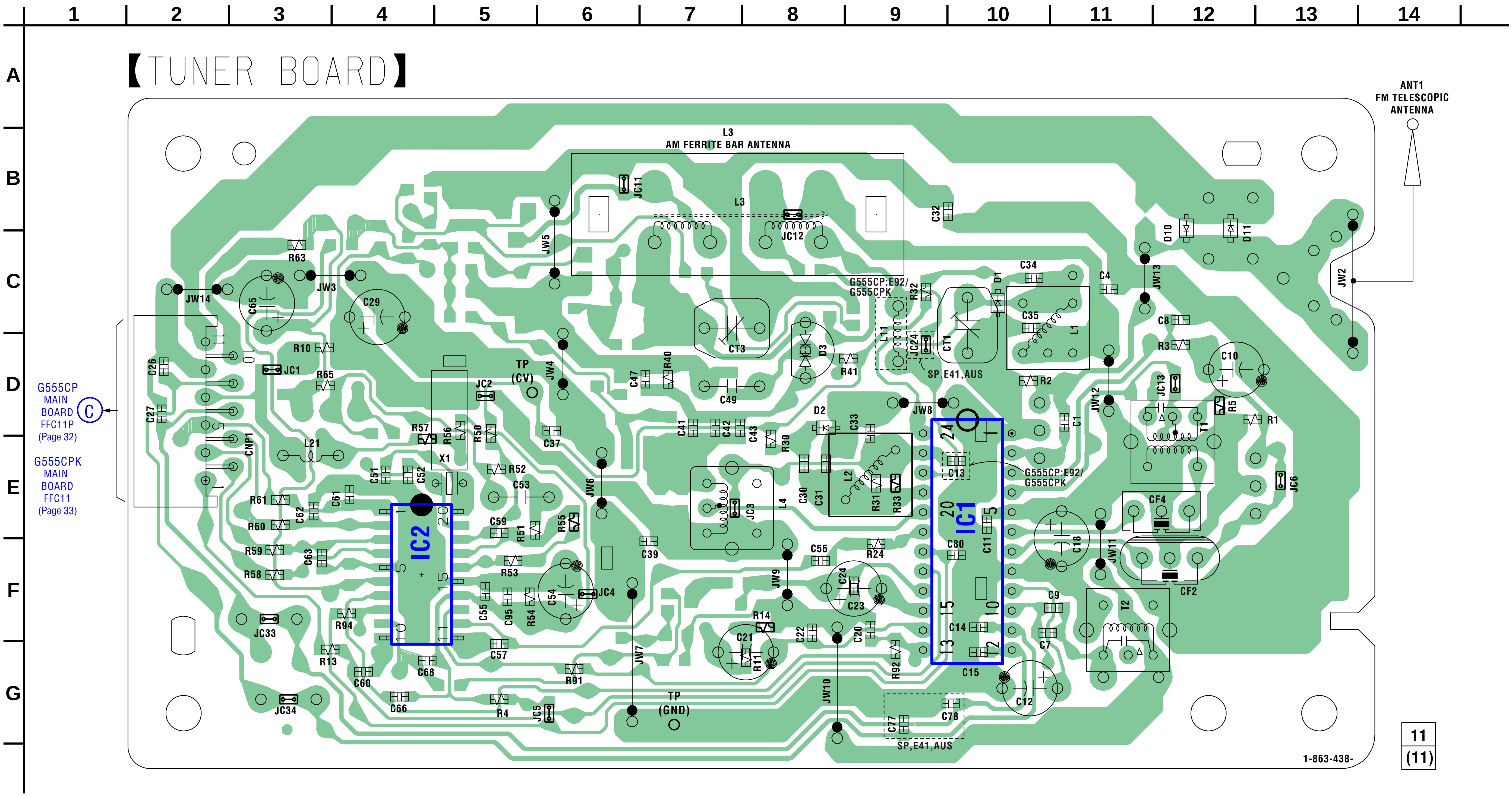
6-4. SCHEMATIC DIAGRAM – CD SECTION –

• See page 42 for Waveforms. • See page 42, 43 for IC Block Diagrams. • See page 45 for IC Pin Function Description.



6-5. PRINTED WIRING BOARD – TUNER SECTION –

- See page 23 for Circuit Boards Location.
- :Uses unleaded solder.

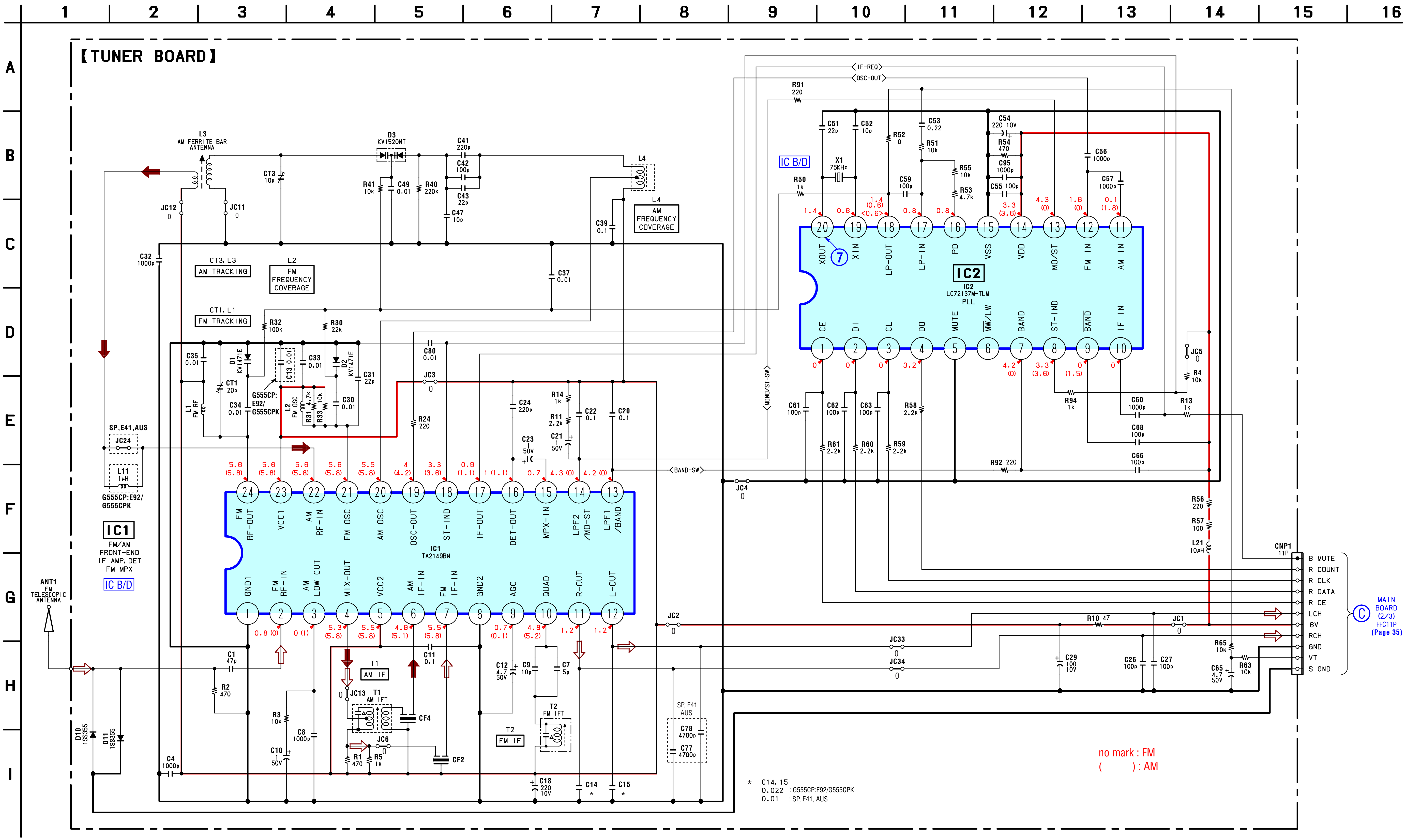


- **Semiconductor Location**

Ref. No.	Location
D1	C-10
D2	D-8
D3	D-8
D10	B-12
D11	B-12
IC1	E-10
IC2	F-4

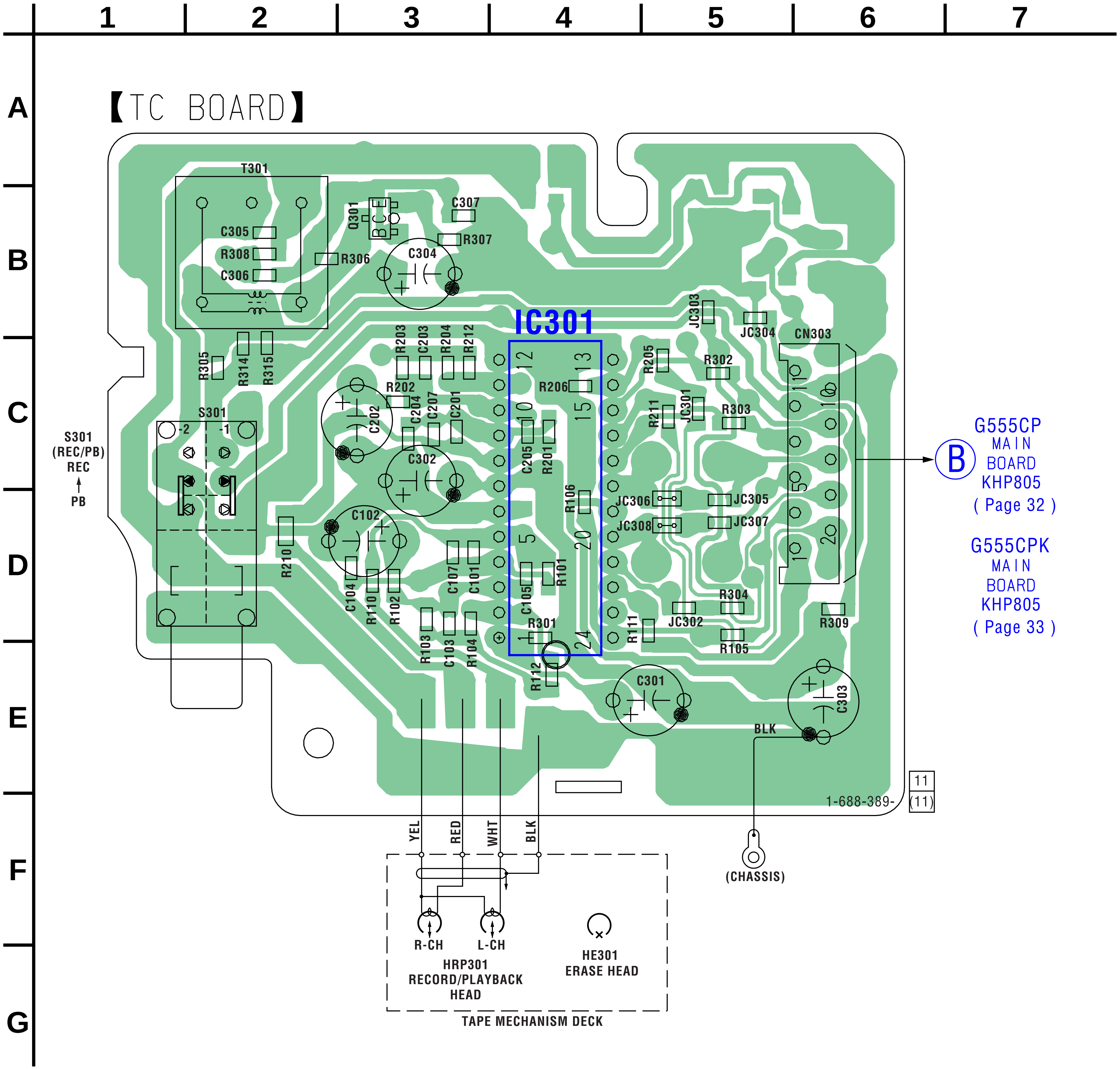
6-6. SCHEMATIC DIAGRAM – TUNER SECTION –

• See page 42 for Waveforms. • See page 43 for IC Block Diagrams.

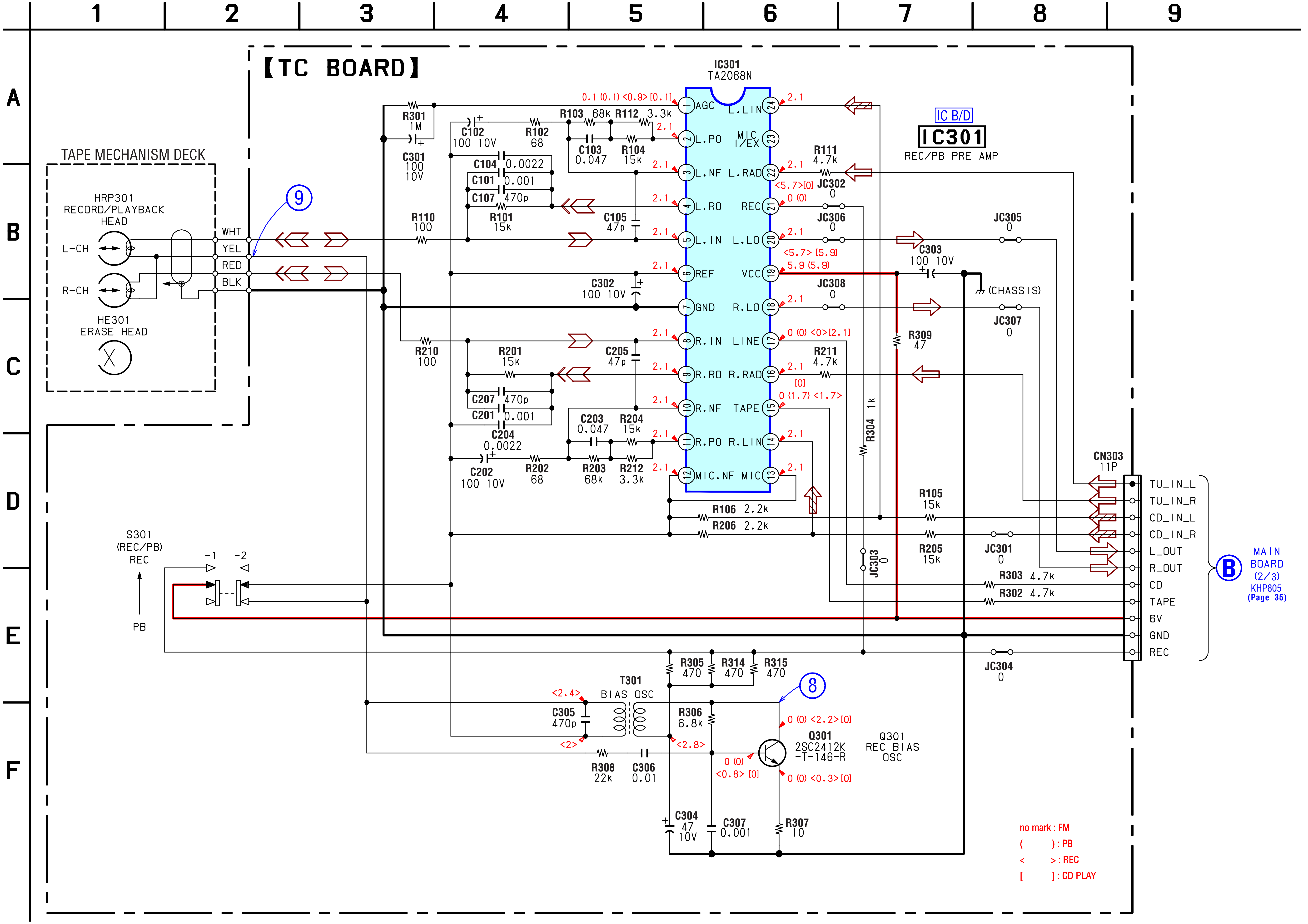


6-7. PRINTED WIRING BOARD – TC SECTION –

- See page 23 for Circuit Boards Location.
- :Uses unleaded solder.



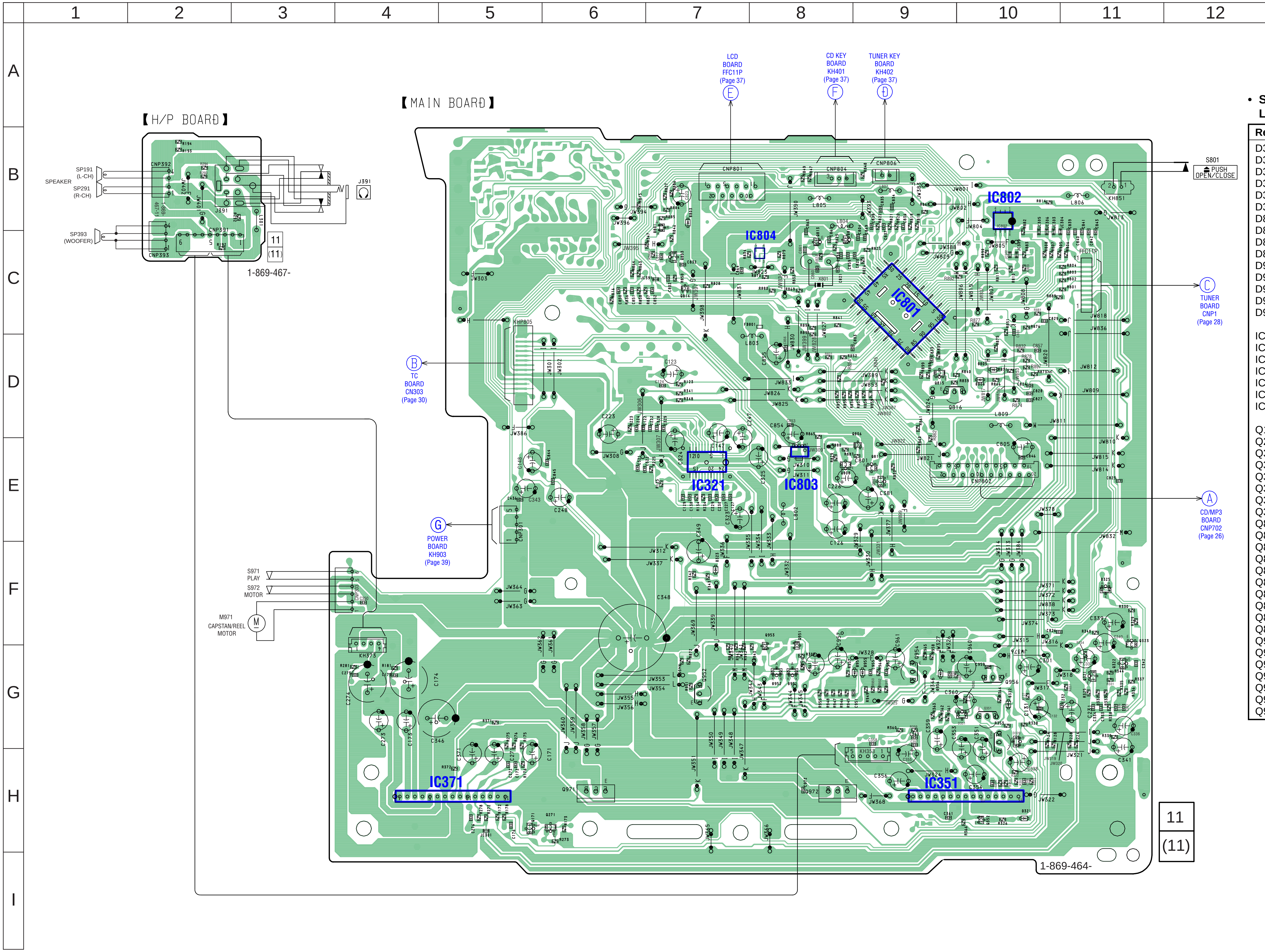
6-8. SCHEMATIC DIAGRAM – TC SECTION – • See page 42 for Waveforms. • See page 44 for IC Block Diagram.



6-9. PRINTED WIRING BOARDS – MAIN SECTION (G555CP) –

• See page 23 for Circuit Boards Location.

• :Uses unleaded solder.

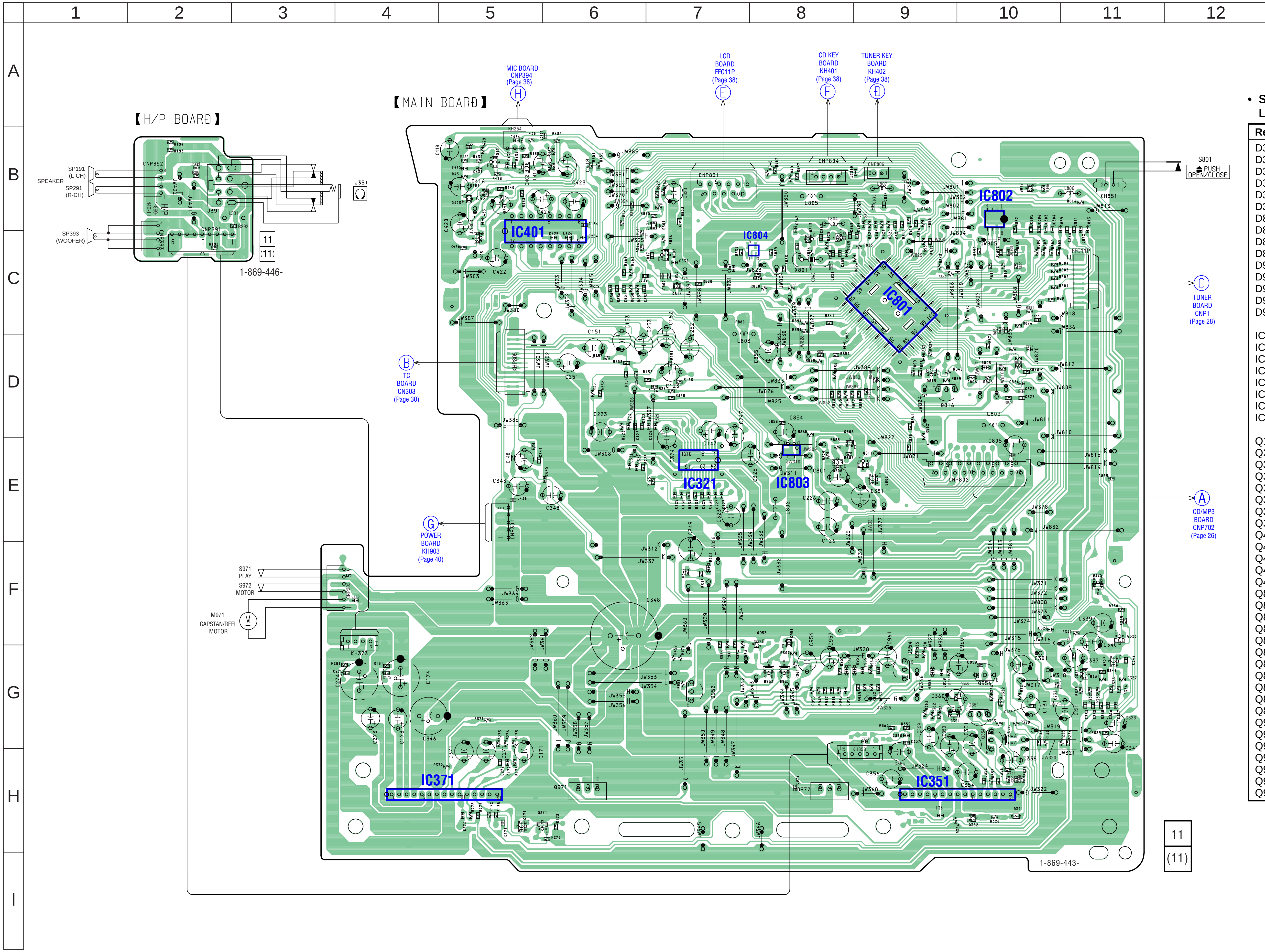


• **Semiconductor Location**

Ref. No.	Location
D320	G-10
D321	H-10
D322	G-10
D323	F-7
D325	F-11
D351	G-9
D801	B-7
D803	B-7
D805	D-10
D806	D-10
D951	G-8
D952	G-8
D954	G-8
D955	G-8
D956	G-9
IC321	E-7
IC351	H-9
IC371	H-5
IC801	C-9
IC802	B-10
IC803	E-8
IC804	C-8
Q171	H-5
Q271	H-5
Q321	G-11
Q322	F-11
Q323	F-11
Q351	G-10
Q352	H-9
Q354	G-10
Q802	E-9
Q803	C-7
Q806	E-8
Q808	E-8
Q811	E-8
Q812	C-8
Q813	C-8
Q814	C-7
Q815	D-9
Q816	D-9
Q951	F-8
Q952	G-7
Q953	F-7
Q954	G-9
Q956	G-10
Q971	H-6
Q972	H-8

6-10. PRINTED WIRING BOARDS – MAIN SECTION (G555CPK) –

• See page 23 for Circuit Boards Location. • :Uses unleaded solder.

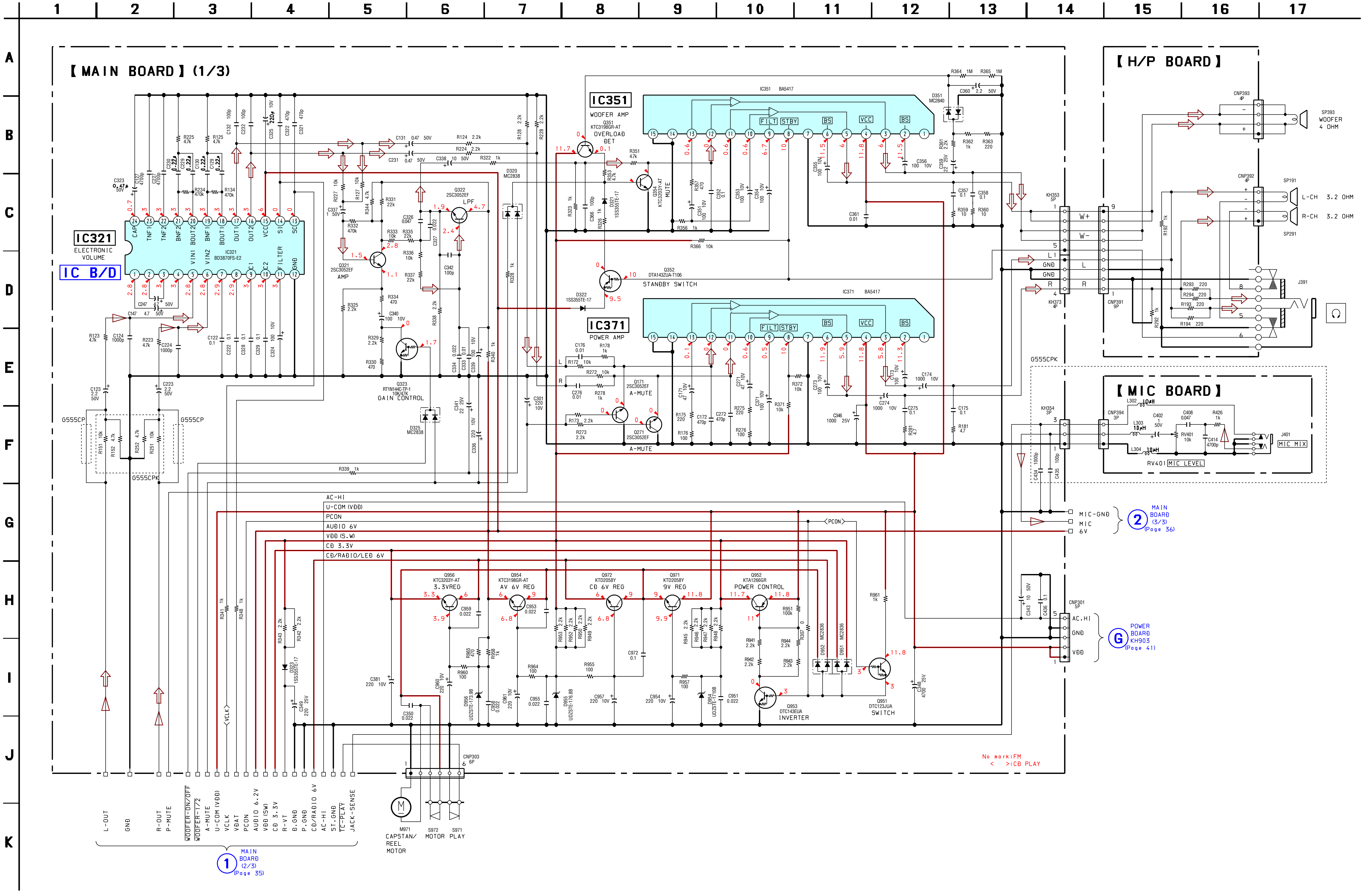


• **Semiconductor Location**

Ref. No.	Location
D320	G-10
D321	H-10
D322	G-10
D323	F-7
D325	F-11
D351	G-9
D801	B-7
D803	B-7
D805	D-10
D806	D-10
D951	G-8
D952	G-8
D954	G-8
D955	G-8
D956	G-9
IC321	E-7
IC351	H-9
IC371	H-5
IC401	C-5
IC801	C-9
IC802	B-10
IC803	E-8
IC804	C-8
Q171	H-5
Q271	H-5
Q321	G-11
Q322	F-11
Q323	F-11
Q351	G-10
Q352	H-9
Q354	G-10
Q401	B-5
Q402	B-5
Q403	B-5
Q404	B-5
Q405	C-5
Q802	E-9
Q803	C-7
Q806	E-8
Q808	E-8
Q811	E-8
Q812	C-8
Q813	C-8
Q814	C-7
Q815	D-9
Q816	D-9
Q817	B-10
Q951	F-8
Q952	G-7
Q953	F-7
Q954	G-9
Q956	G-10
Q971	H-6
Q972	H-8

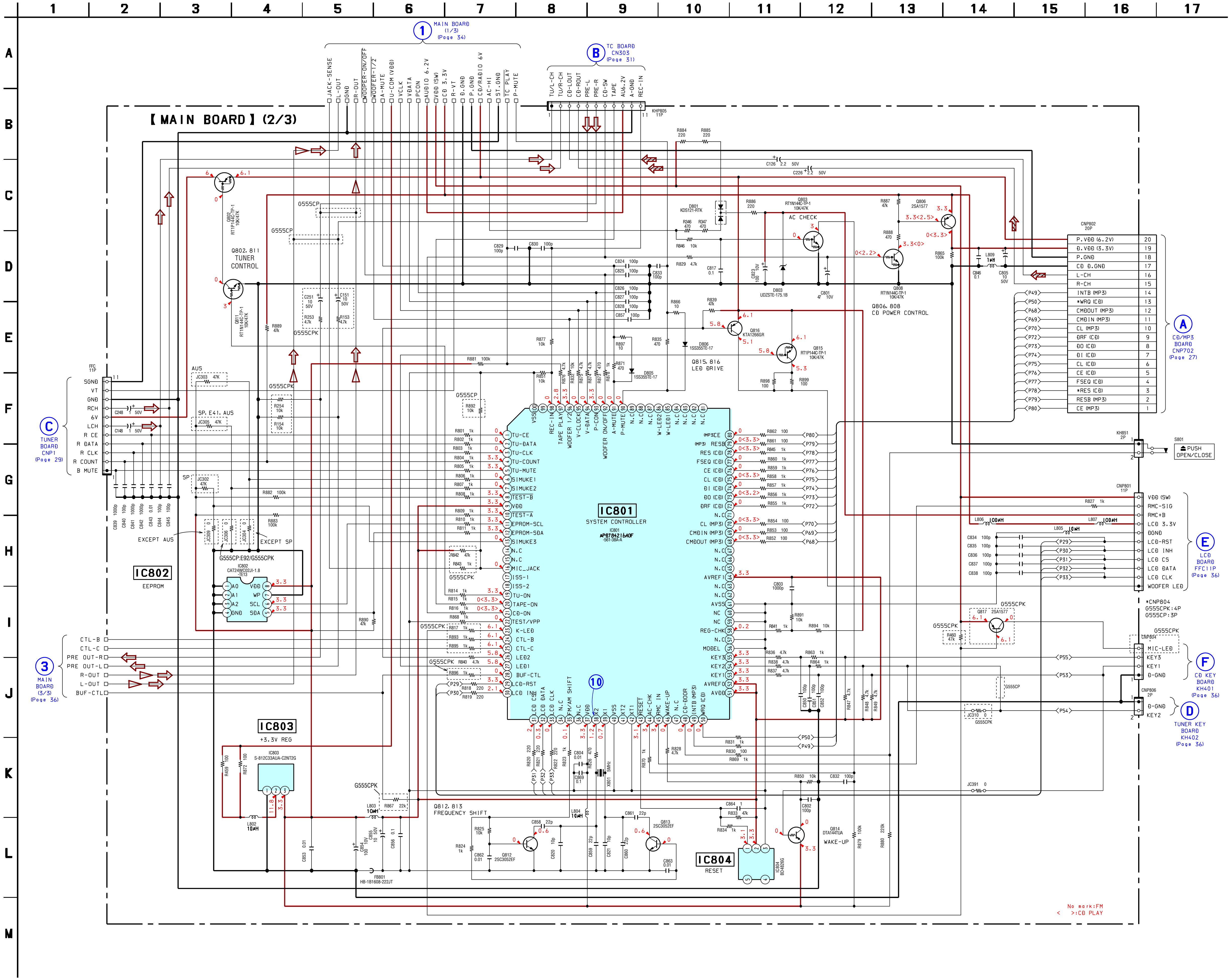
6-11. SCHEMATIC DIAGRAM – MAIN SECTION (1/3) –

• See page 44 for IC Block Diagram.

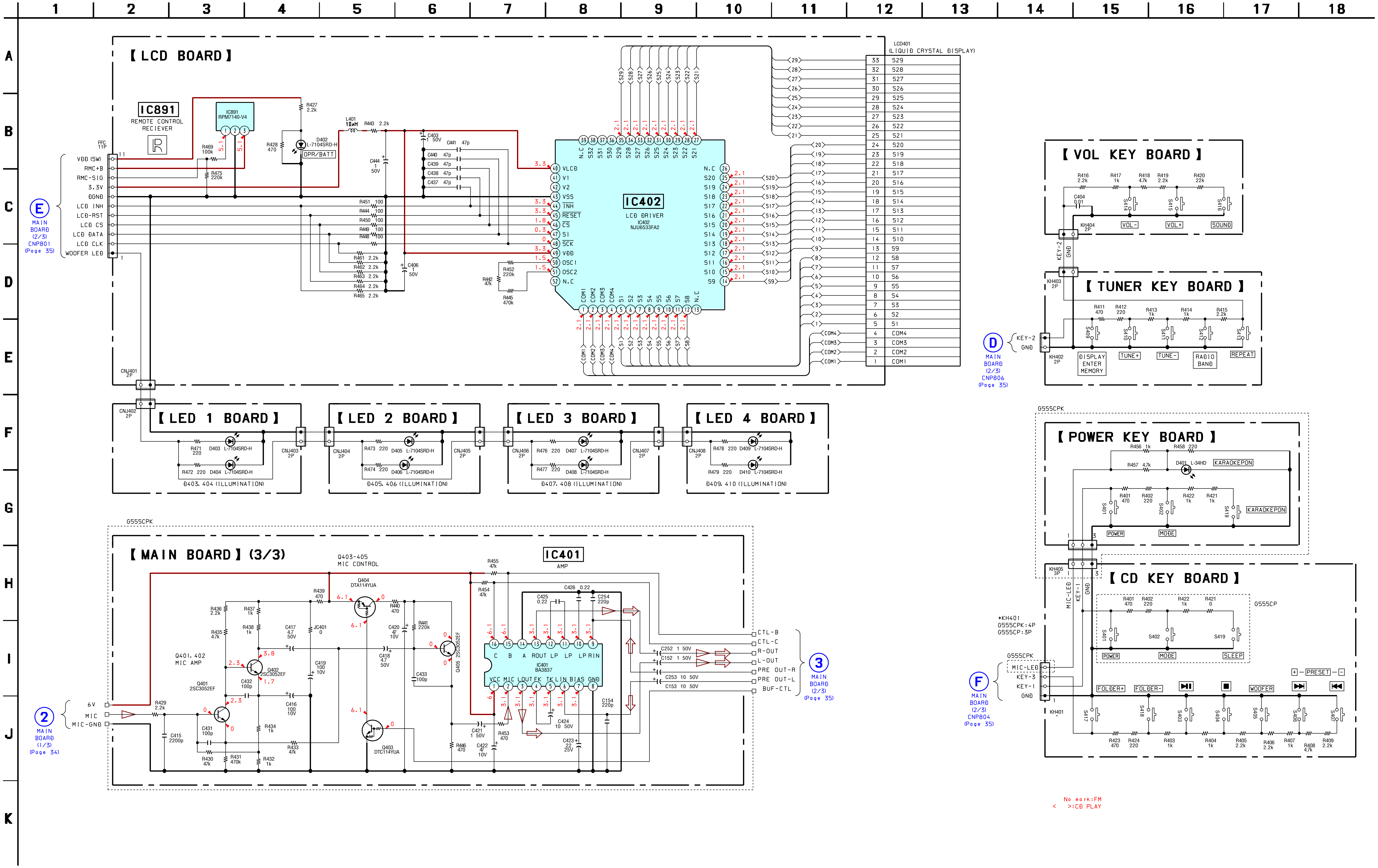


6-12. SCHEMATIC DIAGRAM – MAIN SECTION (2/3) –

• See page 42 for Waveform. • See page 47 for IC Pin Function Description.

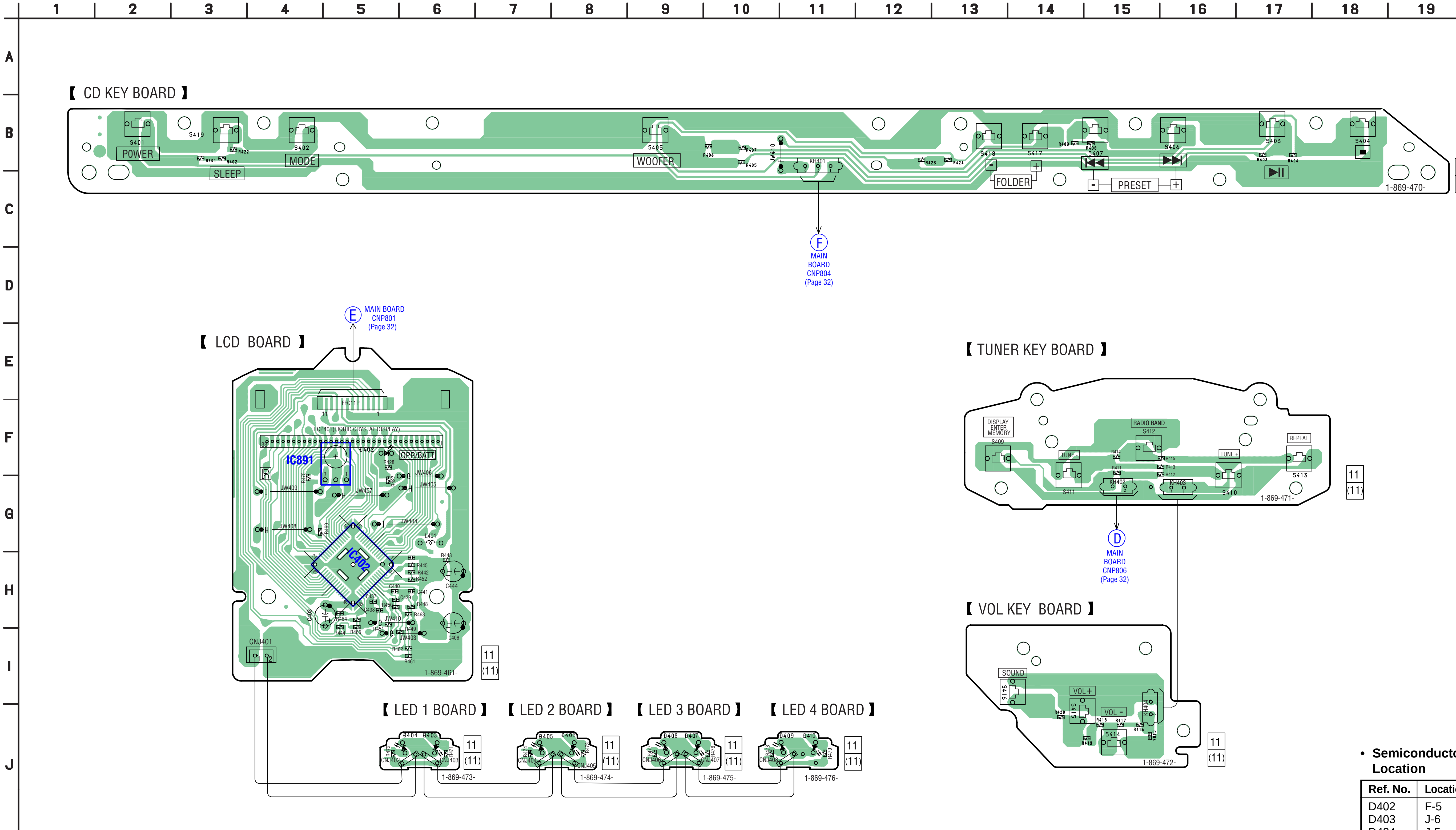


6-13. SCHEMATIC DIAGRAM – MAIN (3/3), CONTROL SECTION –



6-14. PRINTED WIRING BOARDS – CONTROL SECTION (G555CP) –

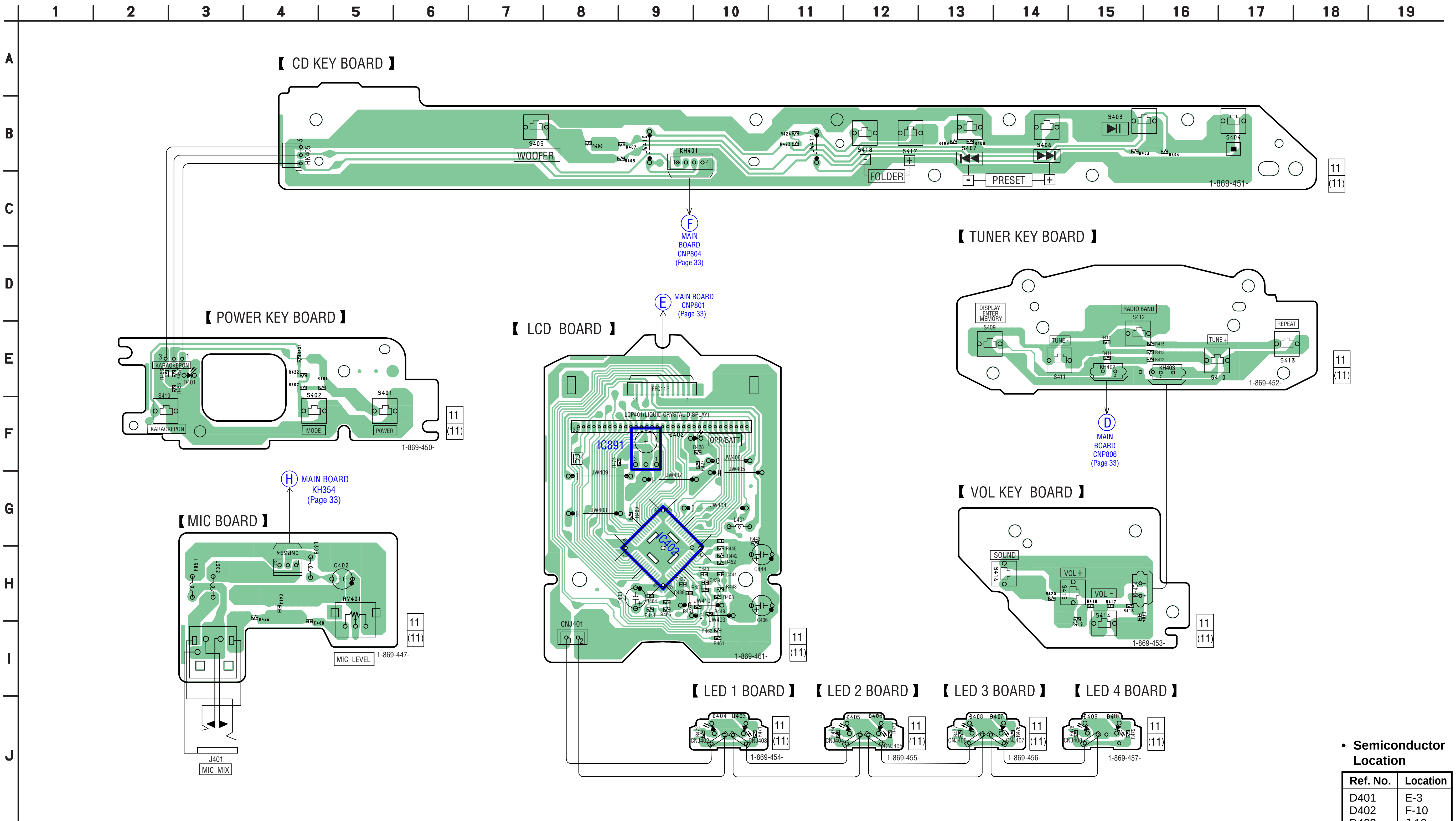
• See page 23 for Circuit Boards Location. • :Uses unleaded solder.



• **Semiconductor Location**

Ref. No.	Location
D402	F-5
D403	J-6
D404	J-5
D405	J-7
D406	J-8
D407	J-9
D408	J-9
D409	J-10
D410	J-11
IC402	H-5
IC891	F-5

6-15. PRINTED WIRING BOARDS – CONTROL SECTION (G555CPK) – • See page 23 for Circuit Boards Location. • :Uses unleaded solder.

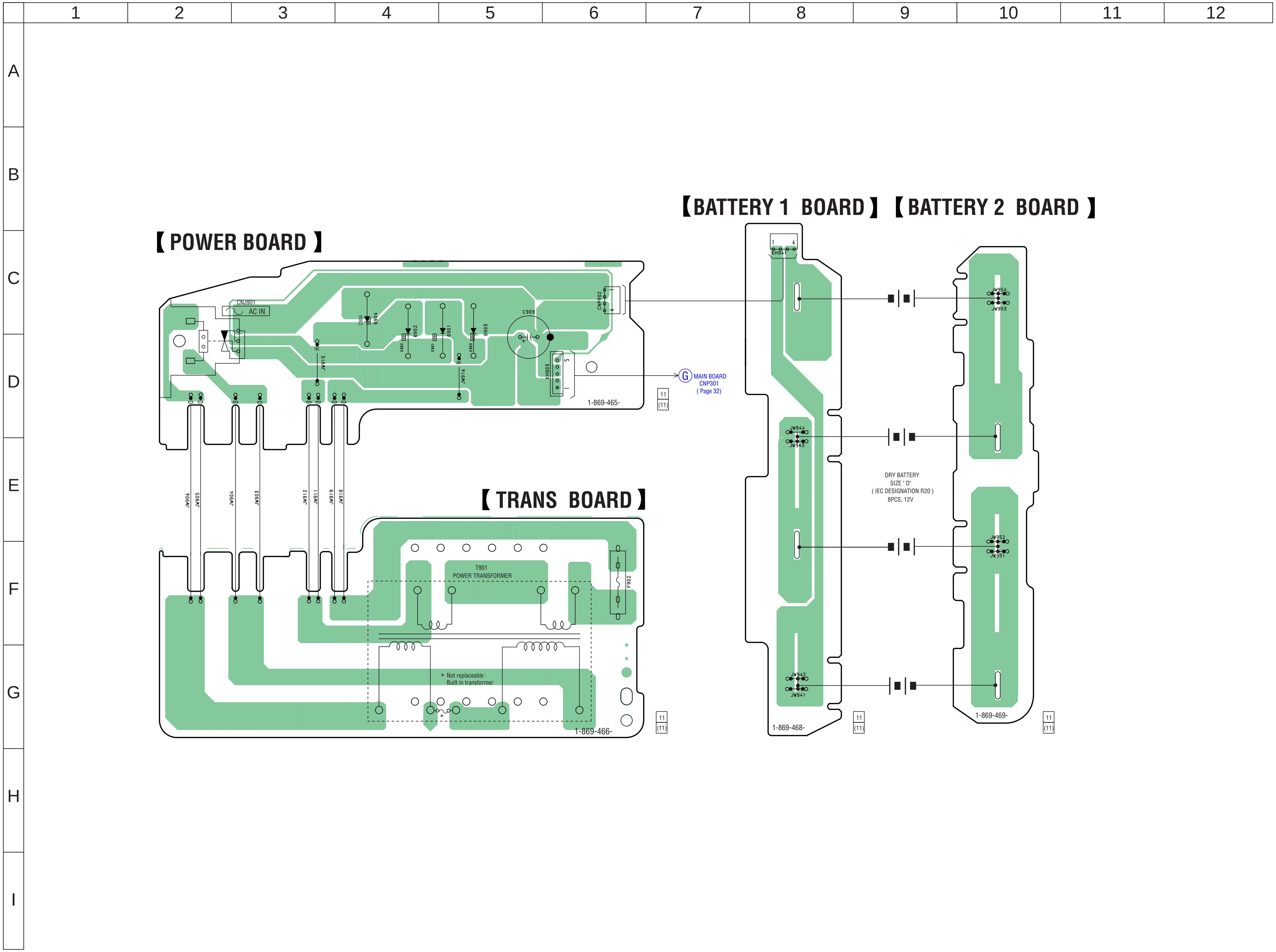


• **Semiconductor Location**

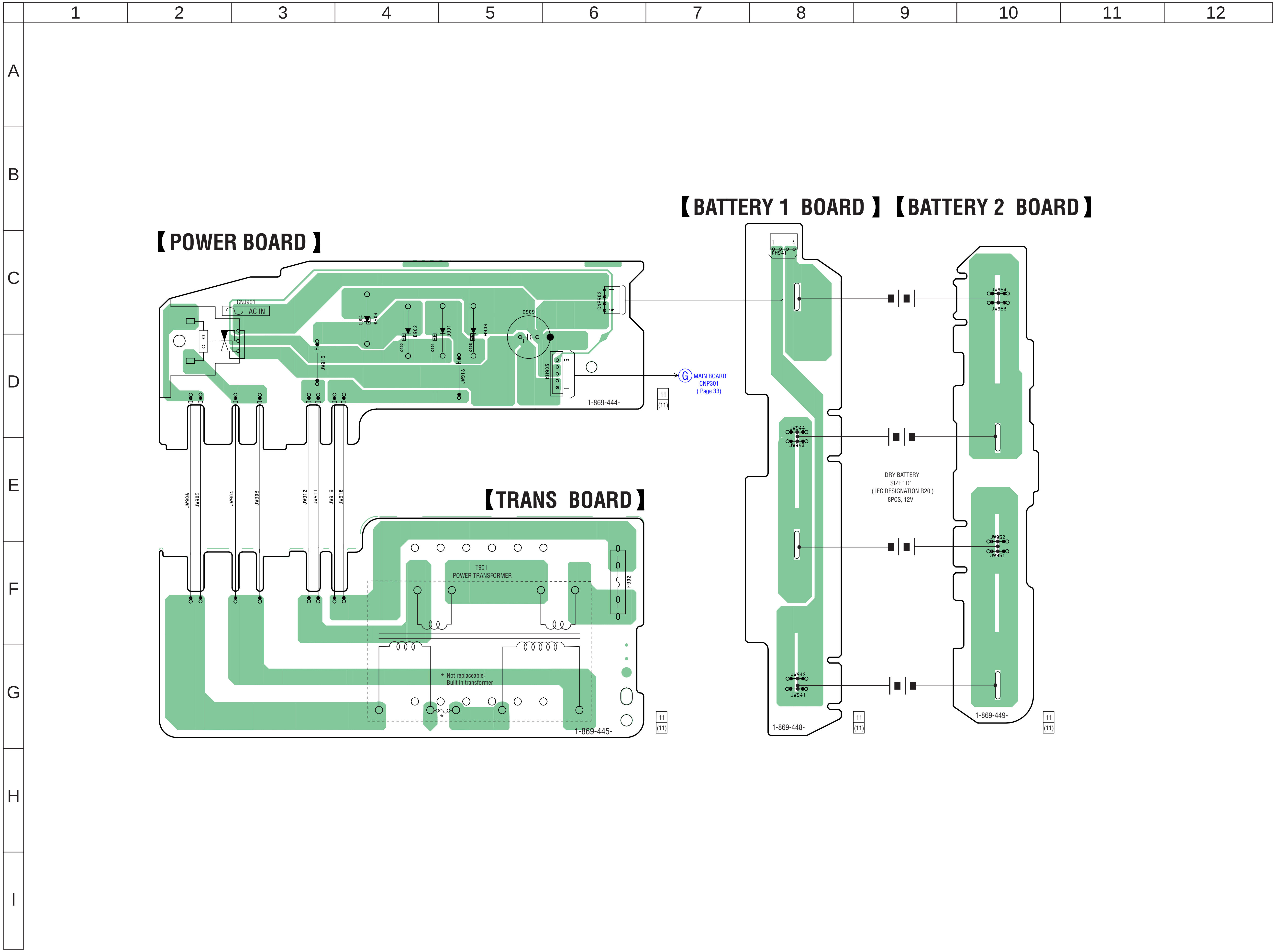
Ref. No.	Location
D401	E-3
D402	F-10
D403	J-10
D404	J-10
D405	J-11
D406	J-12
D407	J-13
D408	J-13
D409	J-15
D410	J-15
IC402	H-9
IC891	F-9

6-16. PRINTED WIRING BOARD – POWER SECTION (G555CP) –

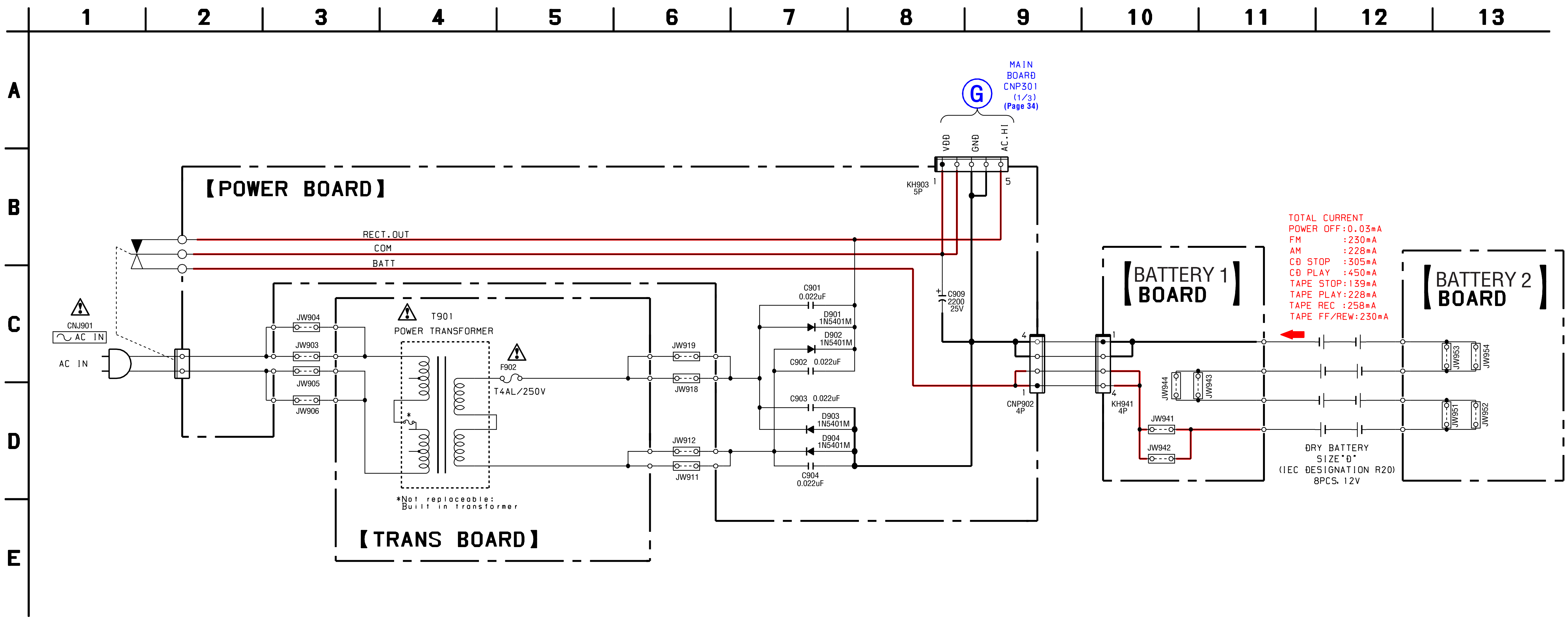
• See page 23 for Circuit Boards Location. • :Uses unleaded solder.



6-17. PRINTED WIRING BOARD – POWER SECTION (G555CPK) – • See page 23 for Circuit Boards Location. • :Uses unleaded solder.



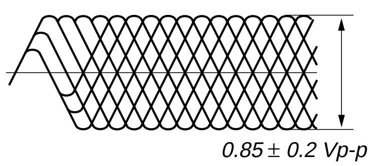
6-18. SCHEMATIC DIAGRAM – POWER SECTION –



- **Waveforms**

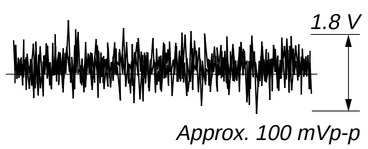
– CD/MP3 Board –

① IC701 ④ (RF)



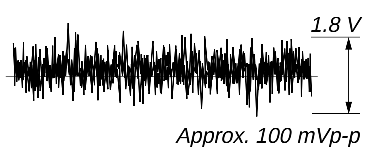
500 mV/DIV, 0.5 µs/DIV

② IC701 ⑬ (FE)



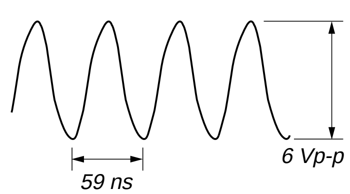
100 mV/DIV, 200 µs/DIV

③ IC701 ⑮ (TE)



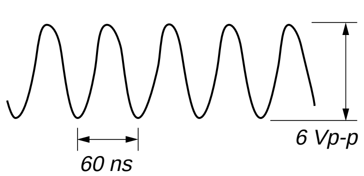
100 mV/DIV, 200 µs/DIV

④ IC701 ㊽ (XOUT)



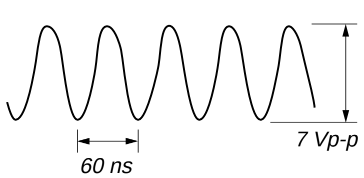
1 V/DIV, 50 ns/DIV

⑤ IC701 ㊿ (FSX/16MIN (1))



2 V/DIV, 50 ns/DIV

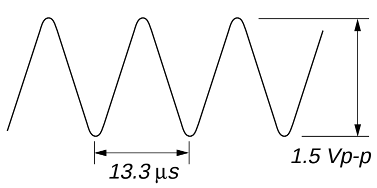
⑥ IC1001 ⑦ (CKIN (1))



2 V/DIV, 50 ns/DIV

– TUNER Board –

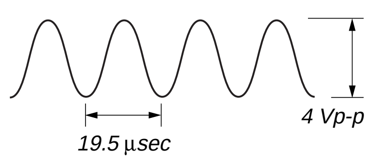
⑦ IC2 ⑳ (XOUT)



500 mV/DIV, 5 µs/DIV

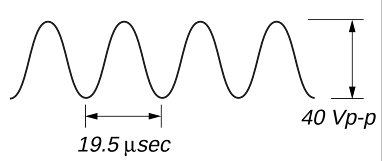
– TC Board –

⑧ Q301 Ⓒ (REC)



1 V/DIV, 5 µs/DIV

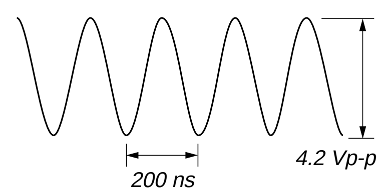
⑨ T301, HRP301 (YEL)



10 V/DIV, 5 µs/DIV

– MAIN Board –

⑩ IC801 ㊳ (X2)

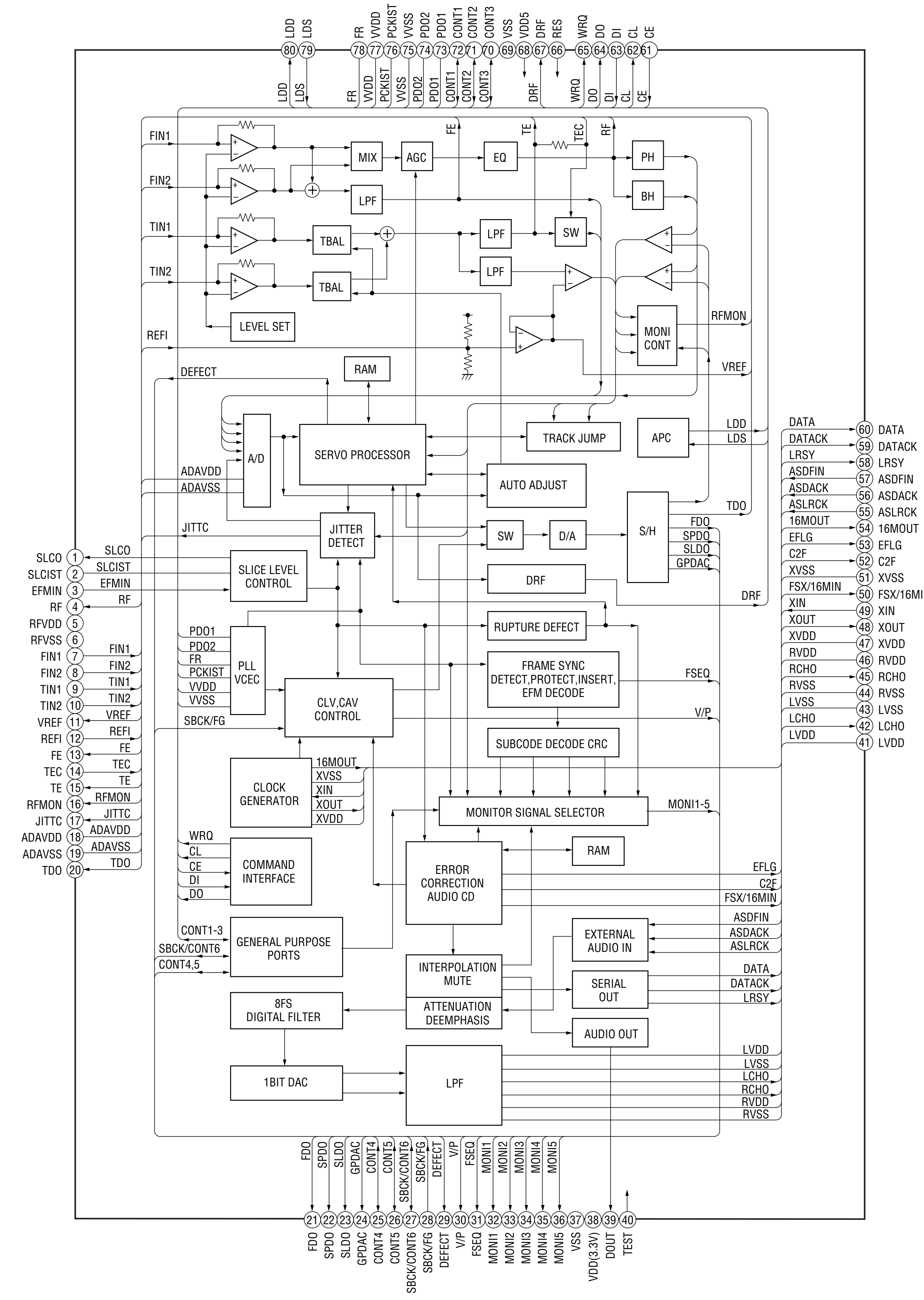


1 V/DIV, 100 ns/DIV

- **IC Block Diagrams**

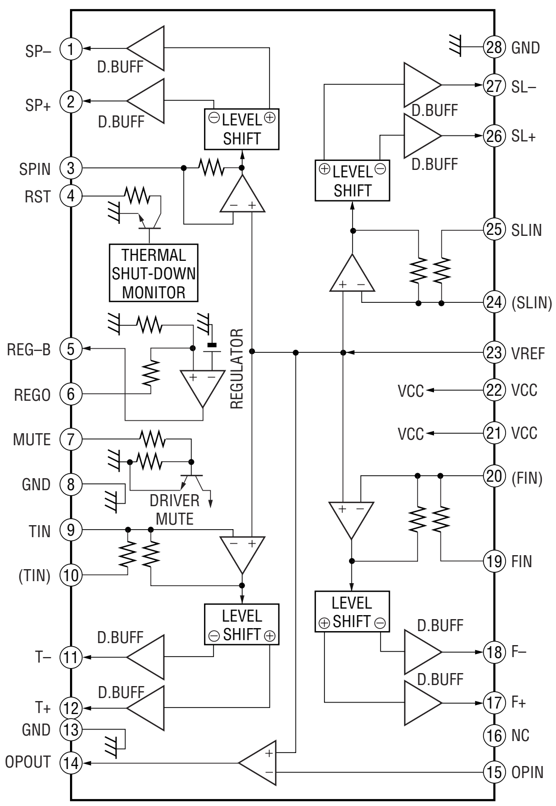
– CD/MP3 Board –

IC701 LC78646E-US-E



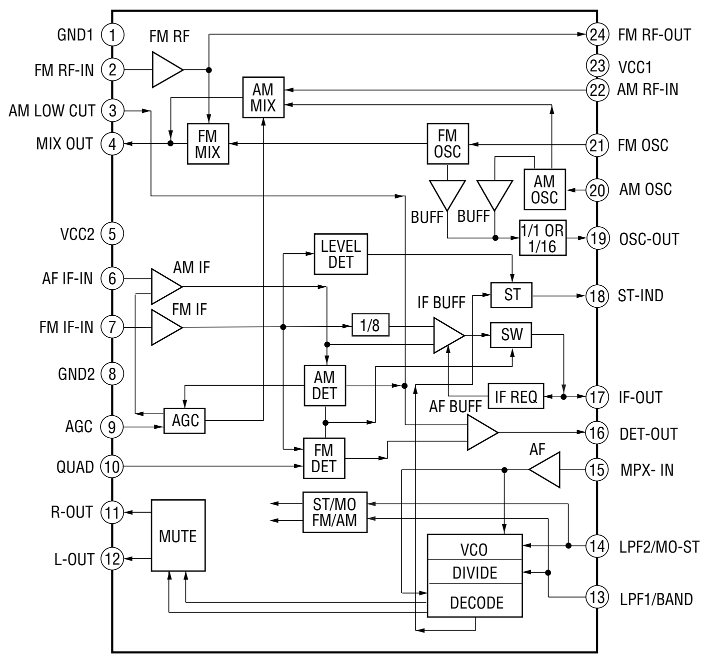
– CD/MP3 Board –

IC702 BA5826FP-E2

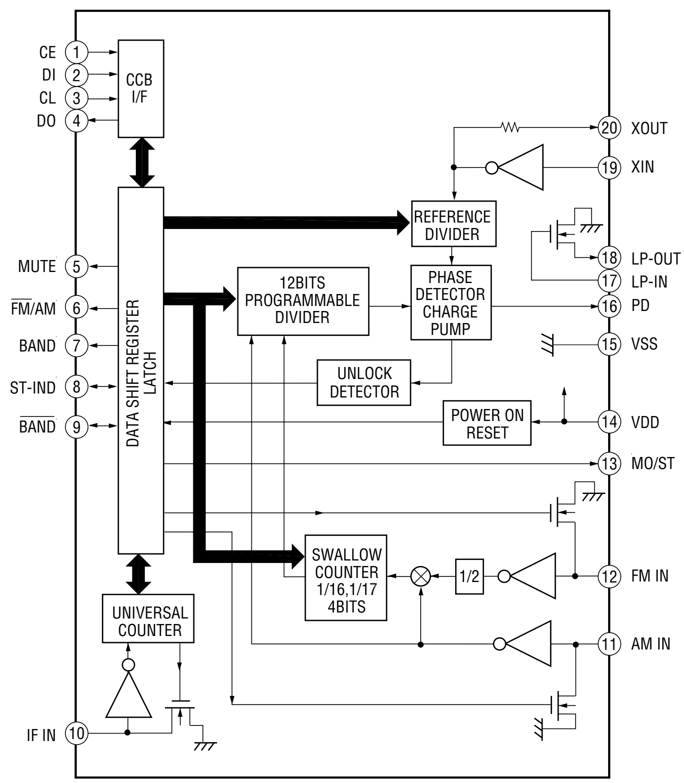


– TUNER Board –

IC1 TA2149BN

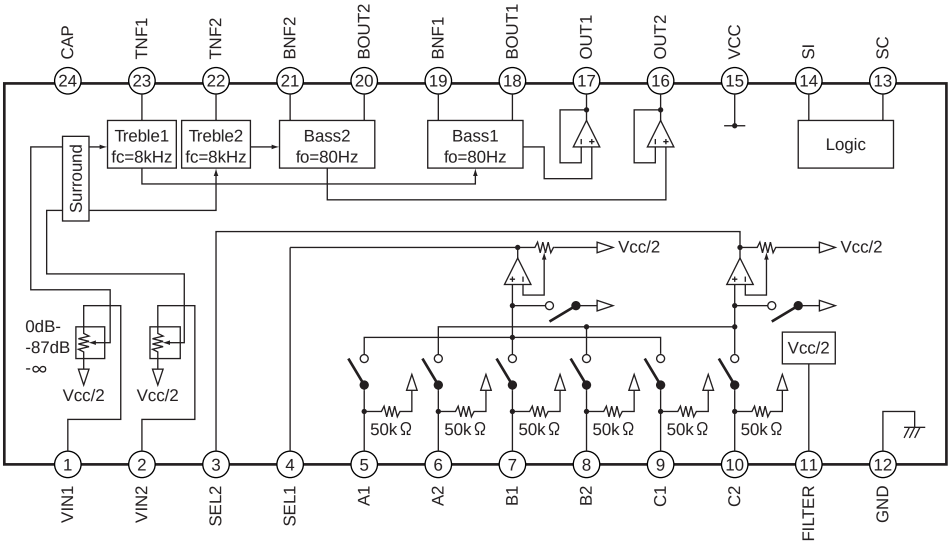


IC2 LC72137M-TLM-E



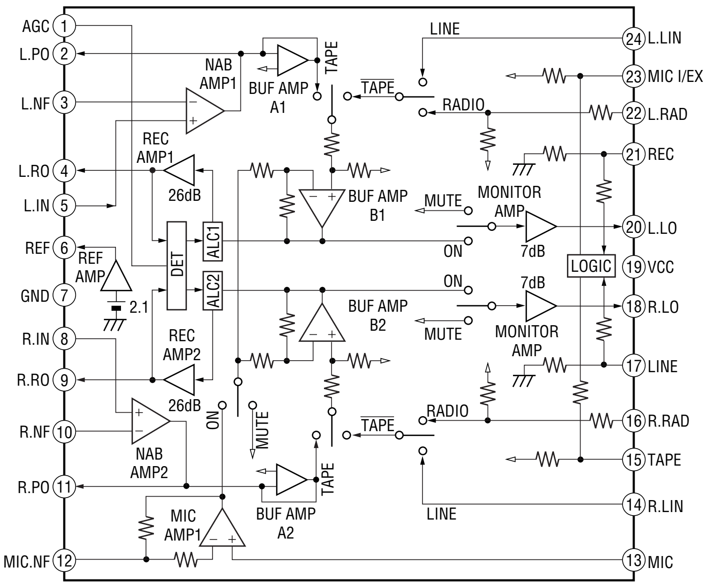
– MAIN Board –

IC321 BD3870FS-E2



– TC Board –

IC301 TA2068N



• IC PIN FUNCTION DESCRIPTION
CD/MP3 BOARD IC1001 LC78684E-US-E (MP3 DECODER, CD-ROM DECODER, ANTI-SHOCK CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	LRSY (I)	I	CD L/R clock input
2	ADDATA (O)	O	Audio data output
3	ADBCK (O)	O	Audio bit clock output
4	ADLRCK (O)	O	Audio L/R clock output
5	C2F IN (I)	I	CD C2 error flag input
6	VSS	—	Ground
7	CKIN (I)	I	System clock (16.9344 MHz) input
8	VSS	—	Ground
9	CKOUT (O)	O	Clock (384Fs) output for external DF/DAC.
10	VSS	—	Ground
11	DVDD1	—	Digital power supply (+3.3V)
12	PW (I)	I	CD subcode data serial input (connected to +3.3V)
13	SBSY (I)	I	CD subcode block synchronized signal input (connected to +3.3V)
14	SFSY (I)	I	CD subcode frame synchronized signal input (connected to +3.3V)
15	SBCK (O)	O	Serial clock output for CD subcode transfer. (not used)
16	AVDD	—	Analog (PLL) power supply (+3.3V)
17	VPRFR	—	VCO oscillation range setting pin (connected to +3.3V)
18	VCOC	I	VCO control voltage input
19	VPDO	O	VCO charge pump output
20	AVSS	—	Analog ground
21	DVDD2	—	Power supply (+1.8V)
22	VSS	—	Ground
23 to 30	MDATA0 to 7	I/O	DRAM data bus 0 to 7
31	DVDD3	—	Digital power (+3.3V)
32	VSS	—	Ground
33 to 40	MDATA8 to 15	I/O	DRAM data bus 8 to 15
41	RASB	O	Row Address Strobe signal output (L: active)
42	WEB	O	Data Write Enable signal output (L: active)
43	CASLB	O	Column Address Strobe signal output (for lower byte, L: active)
44	CASUB	O	Column Address Strobe signal output (for upper byte, L: active)
45	OEB	O	Output enable signal output (L: active)
46 to 49	MADRS12 to 9	O	DRAM address output 12 to 9 (not used)
50	MADRS8	O	DRAM address output 8
51	DVDD4	—	Digital power supply (+3.3V)
52	VSS	—	Ground
53 to 60	MADRS7 to 0	O	DRAM address output 7 to 0
61	DVDD5	—	Power supply (+1.8V)
62	VSS	—	Ground
63	STREQIO (O)	I/O	MP3 data request flag output (H: active)/DRAM data request flag input (H: active) (not used)
64	STCKIO (O)	I/O	MP3 data transfer clock input/DRAM data transfer clock output (not used)
65	STDATIO (O)	I/O	MP3 data serial input/DRAM data serial output (not used)
66	FSYNC (O)	O	MP3 frame synchronized signal input (H: active) (not used)
67	CRCF (O)	O	CDROM-CRC flag output (H: active)/DRAM data output enable signal output (H: active) (not used)
68	DVDD6	—	Power supply (+3.3V)
69	VSS	—	Ground

Pin No.	Pin Name	I/O	Description
70	WOK (I)	I	DRAM write OK input (at CD-DA, H: active)/DRAM data request flag input (not used)
71	CNTOK (O)	O	Data connecting point detection completion flag output (at CD-DA, H: active)/DRAM data serial output (at CD-ROM, H: active) (not used)
72	OVF (O)	O	DRAM write discontinue flag output (at CD-DA, H: active)/DRAM data transfer clock output (at CD-ROM, H: active) (not used)
73	CMDOUT (O)	O	Command serial data output (Nch open drain output pin)
74	CMDIN (I)	I	Command serial data input
75	CL (I)	I	Command serial clock input
76	CE (I)	I	Command enable input (H: active)
77	INTB (O)	O	Interrupt signal output (L: active)
78	RESB (I)	I	System reset input (L: active)
79	DATAIN (I)	I	CD serial data input
80	DATACK (I)	I	CD bit clock input

MAIN BOARD IC801 uPD7894216AGF-561-3BA-A (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	TU-CE	O	PLL IC chip enable output
2	TU-DATA	O	PLL IC data output
3	TU-CLK	O	PLL IC clock output
4	TU-COUNT	I	PLL IC IF count data result input
5	TU-MUTE	O	Tuner IF request mute control output
6	SIMUKE1	I	Destination setting pin (connected to ground)
7	SIMUKE2	I	Destination setting pin (connected to ground)
8	$\overline{\text{TEST-B}}$	I	Audio test mode input
9	VDD	—	Power supply (+3.3V)
10	$\overline{\text{TEST-A}}$	I	CD/MP3 test mode input
11	EPROM-SCL	O	EEPROM serial clock output
12	EPROM-SDA	I/O	EEPROM serial data input/output
13	SIMUKE3	I	Destination setting pin (connected to ground)
14	N.C	—	Not used
15	N.C	—	Not used
16	MIC_JACK	I	Detection of MIC jack signal input (G555CP:not used)
17	ISS-1	O	REC bias frequency select output (not used)
18	ISS-2	O	REC bias frequency select output (not used)
19	TU-ON	O	RADIO power control signal output
20	TAPE-ON	O	TAPE power control signal output
21	CD-ON	O	CD power control signal output
22	TEST/VPP	I	Connected to ground
23	K-LED	O	KARAOKE PON LED control signal output (G555CP:not used)
24	CTL-B	O	KARAOKE PON mode control signal output (G555CP:not used)
25	CTL-C	O	KARAOKE PON mode control signal output (G555CP:not used)
26	LED2	O	LED (illumination) control signal output
27	LED1	O	LED (illumination) control signal output
28	BUF-CTL	O	MIC control signal output (G555CP:not used)
29	LCD-RST	O	LCD driver reset output
30	LCD INH	O	LCD driver C/D signal output
31	LCD CS	O	LCD driver chip select output
32	LCD DATA	O	LCD driver data output
33	LCD CLK	O	LCD driver clock output
34	N.C	—	Not used
35	FM/AM SHIFT	O	Radio shift clock signal output
36	N.C	—	Not used
37	VDD	—	Power supply pin (+3.3V)
38	X2	O	Cristal oscillator output (5MHz)
39	X1	I	Cristal oscillator input (5MHz)
40	VSS	—	Ground
41	XT2	O	Not used
42	XT1	I	Connected to ground
43	$\overline{\text{RESET}}$	I	Reset signal input
44	AC-CHK	I	AC/DC check detect signal input
45	RMC IN	I	Remote control signal input
46	WAKE-UP	I	Wake up interrupt signal input
47	N.C	—	Not used
48	CD-DOOR	I	CD door detect signal input

Pin No.	Pin Name	I/O	Description
49	INTB(MP3)	I	Decoder IC interrupt signal input
50	WRQ(CD)	I	CD interrupt signal input
51	AVDD	—	Power supply pin (+3.3V)
52	AVREF0	—	Power supply pin (+3.3V)
53	KEY1	I	A/D key input 1
54	KEY2	I	A/D key input 2
55	KEY3	I	A/D key input 3
56	MODEL	I	Model setting pin (connected to ground)
57	N.C	—	Not used
58	REG-CHK	I	Regulator check detect signal input
59, 60	N.C	—	Not used
61	AVSS	—	Ground
62, 63	N.C	—	Not used
64	AVREF1	—	Power supply pin (+3.3V)
65 to 67	N.C	—	Not used
68	CMDOUT(MP3)	I	COMMAND serial data input
69	CMDIN(MP3)	O	COMMAND serial data output
70	CL(MP3)	O	COMMAND serial clock output
71	N.C	—	Not used
72	DRF(CD)	I	CD focus ON detect signal input
73	DO(CD)	I	CD data input
74	DI(CD)	O	CD data output
75	CL(CD)	O	CD clock output
76	CE(CD)	O	CD chip enable output
77	FSEQ(CD)	I	CD synchro. signal detect input
78	RES(CD)	O	CD DSP IC reset output
79	RESB(MP3)	O	MP3 IC system reset output
80	CE(MP3)	O	COMMAND serial enable output
81 to 84	N.C	—	Not used
85	W-LED1	O	Woofer LED control signal output (not used)
86	W-LED2	O	Woofer LED control signal output (not used)
87 to 89	NC	—	Not used
90	P-MUTE	O	Power amp mute control signal output
91	A-MUTE	O	Audio mute control signal output
92	WOOFER ON/OFF	O	Woofer AGC control signal output
93	P-CON	O	Power control signal output
94	V-DATA	O	Electronic volume serial data output
95	V-CLOCK	O	Electronic volume serial clock output
96	WOOFER 1/2	O	Woofer gain control signal output
97	TAPE PLAY	I	TAPE play detect signal input
98	REC IN	I	REC signal input
99	NC	—	Not used
100	VSS	—	Ground

SECTION 7
EXPLODED VIEWS

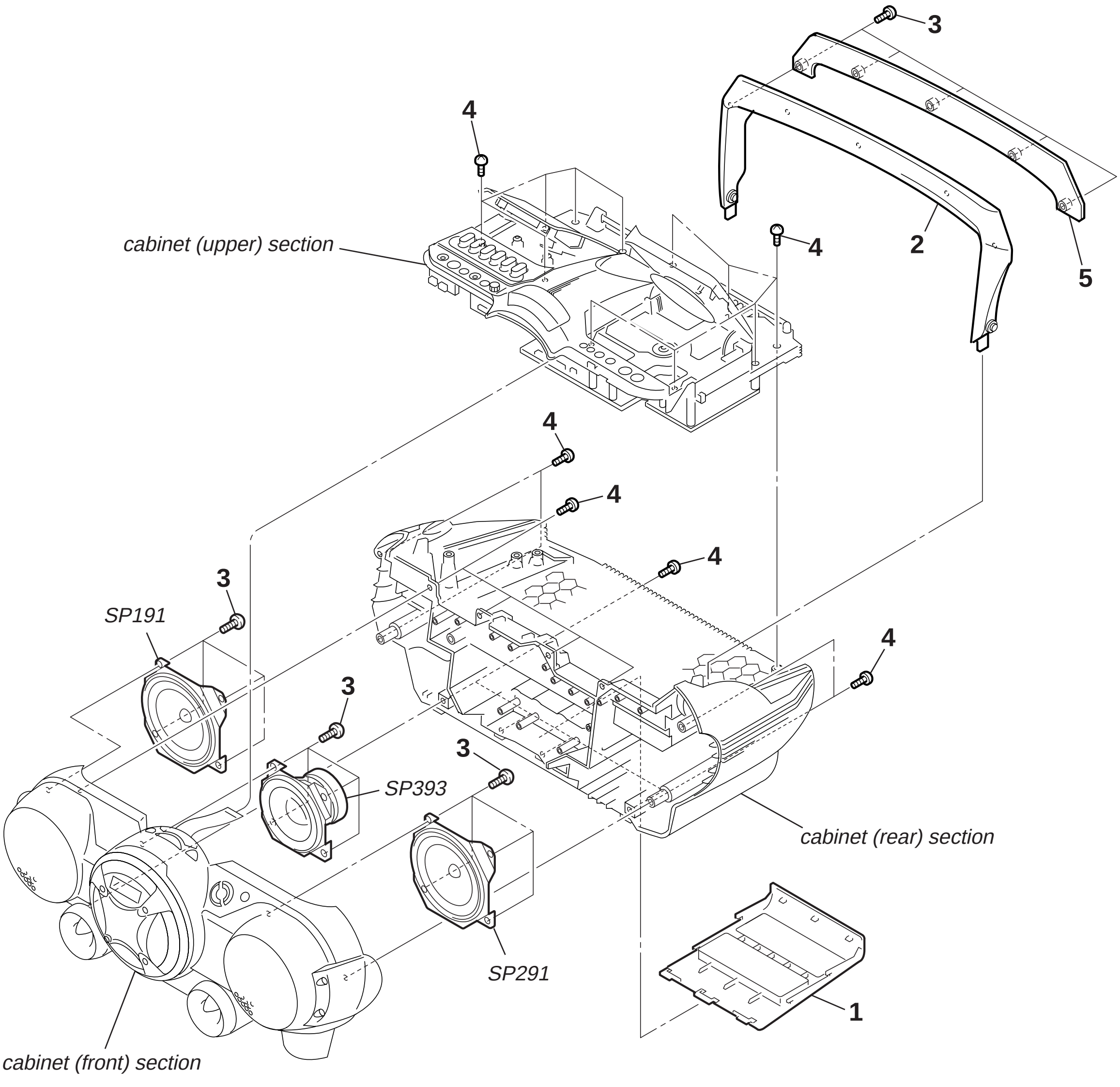
NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Abbreviation
  AUS : Australian model
  CND : Canadian model
  E41 : AC 230V area in E model
  E92 : AC 120V area in E model
  MX : Mexican model
  SP : Singapore model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

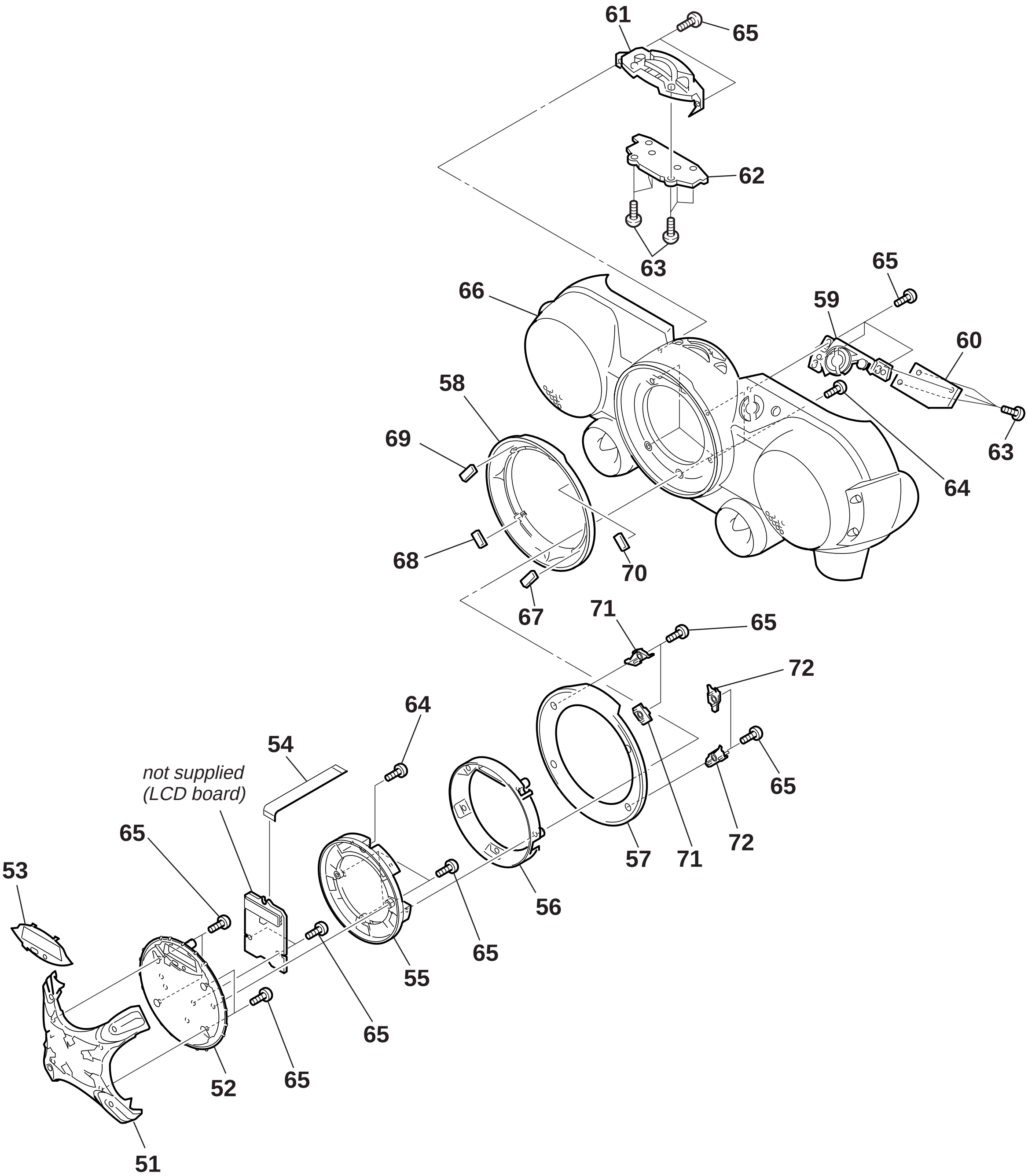
7-1. OVERALL SECTION



Ref. No.	Part No.	Description	Remark
1	3-264-875-11	LID BATTERY	
2	3-264-873-11	HANDLE	
3	3-254-143-11	SCREW (B3), (+) BV TAPPING	
4	3-254-145-11	SCREW (B3), (+) BV TAPPING	
5	2-189-049-11	COVER HANDLE	

Ref. No.	Part No.	Description	Remark
SP191	1-826-352-11	SPEAKER (10CM) (L-CH)	
SP291	1-826-352-11	SPEAKER (10CM) (R-CH)	
SP393	1-825-767-11	SPEAKER (10CM) (WOOFER)	

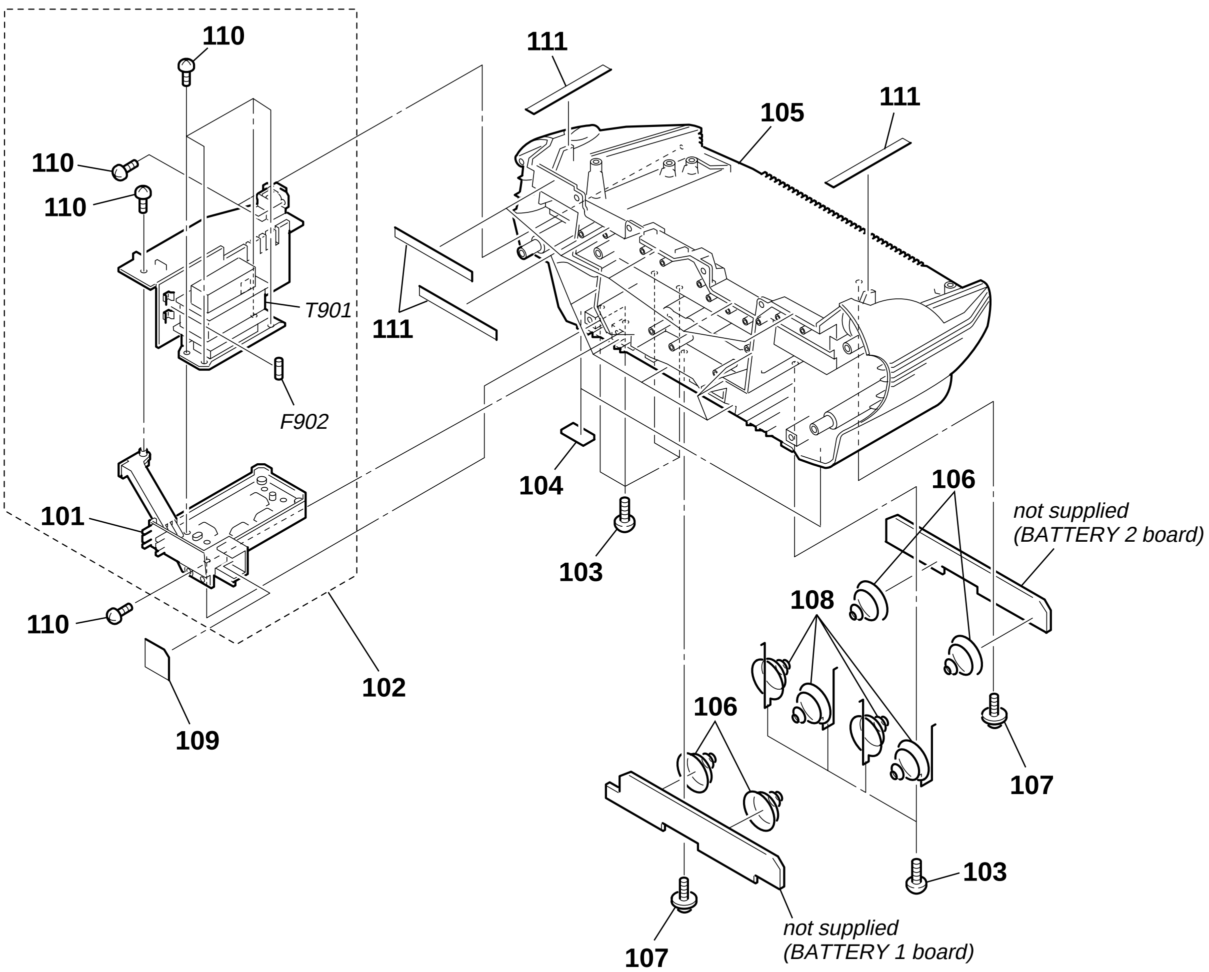
7-2. CABINET (FRONT) SECTION



Ref. No.	Part No.	Description	Remark
51	2-657-087-01	FRAME, X PLODE	
52	2-657-083-11	PANEL, LCD	
53	2-657-084-01	WINDOW, LCD	
54	1-831-781-21	CABLE, FLEXIBLE FLAT (11 CORE)	
55	2-657-085-01	COVER, REAR	
56	2-657-082-01	COVER, WOOFER	
57	2-657-088-01	RING, ALIGNMENT	
58	2-657-090-01	PLATE, LIGHT GUIDE LED	
59	3-264-886-11	BUTTON VOLUME	
60	A-1167-876-A	VOL KEY BOARD, COMPLETE (G555CPK)	
60	A-1167-984-A	VOL KEY BOARD, COMPLETE (G555CP)	
61	3-264-885-31	BUTTON FUNCTION	
62	A-1167-874-A	TUNER KEY BOARD, COMPLETE (G555CPK)	
62	A-1167-982-A	TUNER KEY BOARD, COMPLETE (G555CP)	
63	3-254-151-01	SCREW (B2.6), (+) P TAPPING	

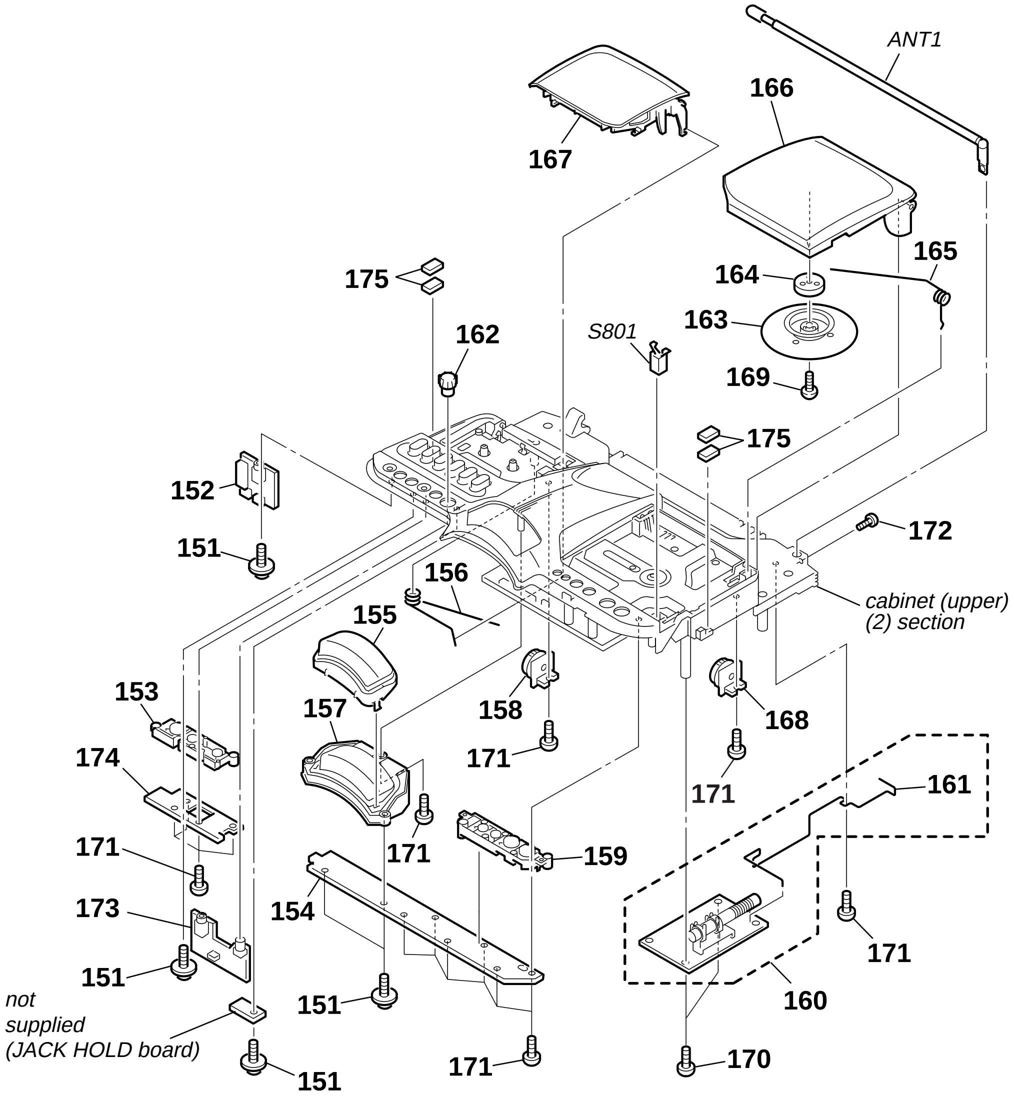
Ref. No.	Part No.	Description	Remark
64	3-254-145-11	SCREW (B3), (+) BV TAPPING	
65	3-252-827-01	SCREW (B2.6), (+) BV TAPPING	
66	X-2108-346-1	CABINET (FRONT) SUB ASSY	
67	A-1167-869-A	LED 1 BOARD, COMPLETE (G555CPK)	
67	A-1167-977-A	LED 1 BOARD, COMPLETE (G555CP)	
68	A-1167-870-A	LED 2 BOARD, COMPLETE (G555CPK)	
68	A-1167-978-A	LED 2 BOARD, COMPLETE (G555CP)	
69	A-1167-871-A	LED 3 BOARD, COMPLETE (G555CPK)	
69	A-1167-979-A	LED 3 BOARD, COMPLETE (G555CP)	
70	A-1167-872-A	LED 4 BOARD, COMPLETE (G555CPK)	
70	A-1167-980-A	LED 4 BOARD, COMPLETE (G555CP)	
71	2-664-334-01	HOLDER (L), LED	
72	2-664-335-01	HOLDER (R), LED	

7-3. CABINET (REAR) SECTION



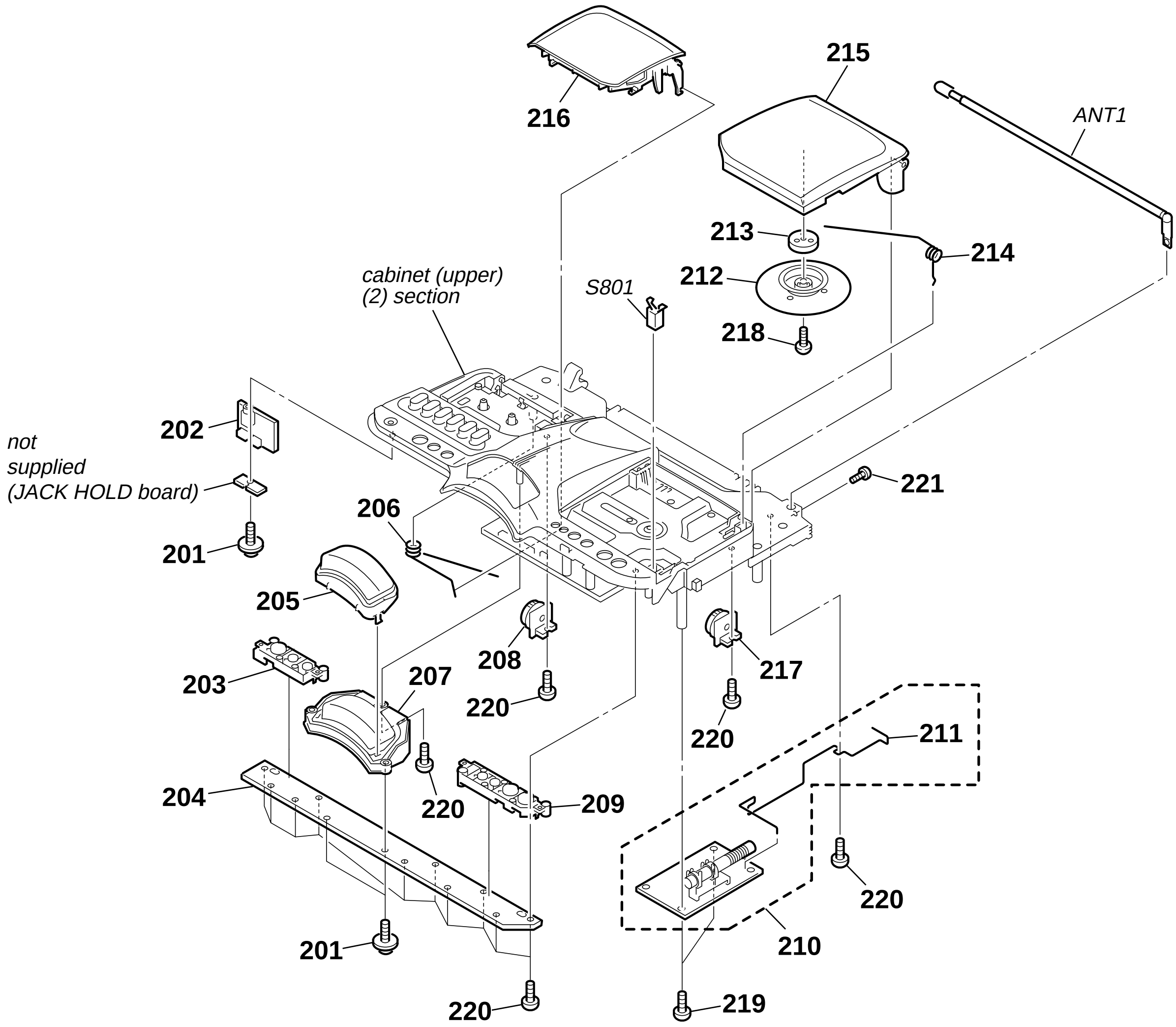
Ref. No.	Part No.	Description	Remark
101	3-264-908-01	CHASSIS (TRANS)	
102	A-1167-863-A	POWER BOARD, COMPLETE (including TRANS BOARD, COMPLETE) (MX)	
102	A-1167-901-A	POWER BOARD, COMPLETE (including TRANS BOARD, COMPLETE) (CND)	
102	A-1167-971-A	POWER BOARD, COMPLETE (including TRANS BOARD, COMPLETE) (E92)	
102	A-1168-007-A	POWER BOARD, COMPLETE (including TRANS BOARD, COMPLETE) (SP, E41, AUS)	
103	3-254-143-11	SCREW (B3), (+) BV TAPPING	
104	3-040-916-01	FOOT (FRONT), RUBBER	
105	3-264-907-51	CABINET REAR (MX)	
105	3-264-907-61	CABINET REAR (CND)	
105	3-264-907-71	CABINET REAR (G555CP)	
106	3-238-135-01	TERMINAL (–), BATTERY	
107	3-252-830-01	SCREW (B3), (+) PWH TAPPING	
108	2-067-415-01	TERMINAL (+, –), BATTERY	
109	3-266-180-02	SHEET TRANS CHASSIS	
110	3-254-143-01	SCREW (B3), (+) BV TAPPING	
111	3-243-076-01	WOVEN (90), FABRIC NON	
⚠F902	1-533-471-11	FUSE, GLASS TUBE (DIA. 5) (T4AL/250V)	
⚠T901	1-435-964-12	TRANSFORMER, POWER (G555CP:E92/G555CPK)	
⚠T901	1-435-965-11	TRANSFORMER, POWER (SP, E41, AUS)	

7-4. CABINET (UPPER) (1) SECTION (CFD-G555CPK)



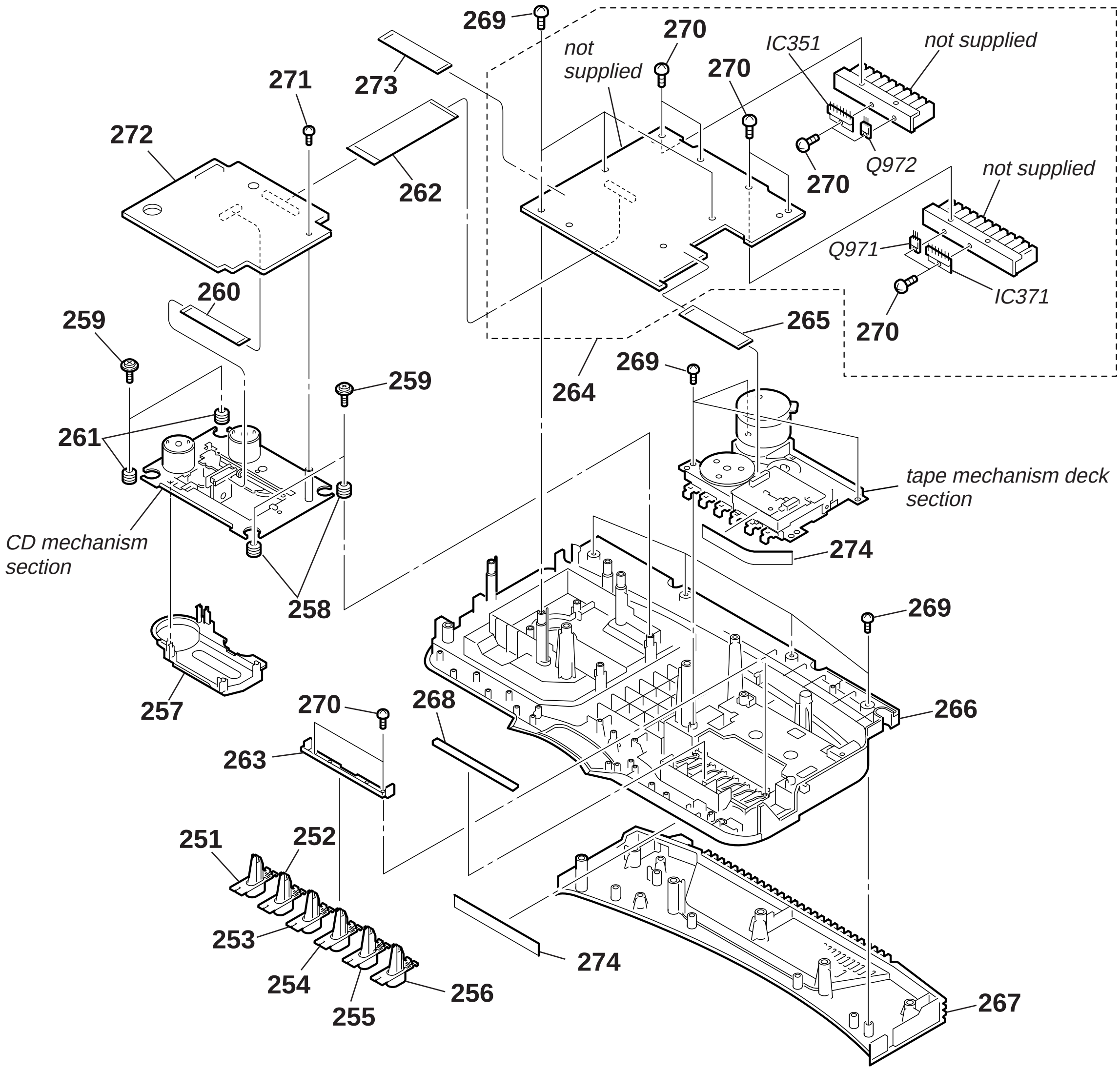
Ref. No.	Part No.	Description	Remark
151	3-252-828-01	SCREW (B2.6), (+) PWH TAPPING	
152	A-1167-880-A	H/P BOARD, COMPLETE (G555CPK)	
153	2-657-080-01	BUTTON, POWER (G555CPK)	
154	A-1167-878-A	CD KEY BOARD, COMPLETE (G555CPK)	
155	3-264-903-01	BUTTON WOOFER	
156	3-264-902-01	SPRING CASSETTE	
157	3-264-904-01	HOLDER BUTTON WOOFER	
158	3-047-468-01	DAMPER	
159	3-264-897-31	BUTTON CD	
160	A-1070-124-A	TUNER BOARD, COMPLETE (G555CPK)	
161	3-264-916-01	TERMINAL ANTENNA	
162	2-657-081-01	KNOB, MICVOLUM (G555CPK)	
163	3-019-395-01	PLATE, CHUCKING	
164	1-452-732-11	MAGNET	
165	3-264-889-01	SPRING CD	
166	3-264-887-31	LID CD	
167	3-264-888-51	LID CASSETTE (G555CPK)	
168	3-047-468-11	DAMPER	
169	3-253-143-01	SCREW (B2.6), (+) P TAPPING	
170	3-254-143-01	SCREW (B3), (+) BV TAPPING	
171	3-252-827-01	SCREW (B2.6), (+) BV TAPPING	
172	3-252-833-01	SCREW (M3), (+) P	
173	A-1167-881-A	MIC BOARD, COMPLETE (G555CPK)	
174	A-1167-879-A	POWER KEY BOARD, COMPLETE (G555CPK)	
175	3-040-916-01	FOOT (FRONT), RUBBER	
ANT1	1-501-918-21	ANTENNA, TELESCOPIC	
S801	1-692-960-11	SWITCH, PUSH (1KEY) (⏏ PUSH OPEN/CLOSE)	

7-5. CABINET (UPPER) (1) SECTION (CFD-G555CP)



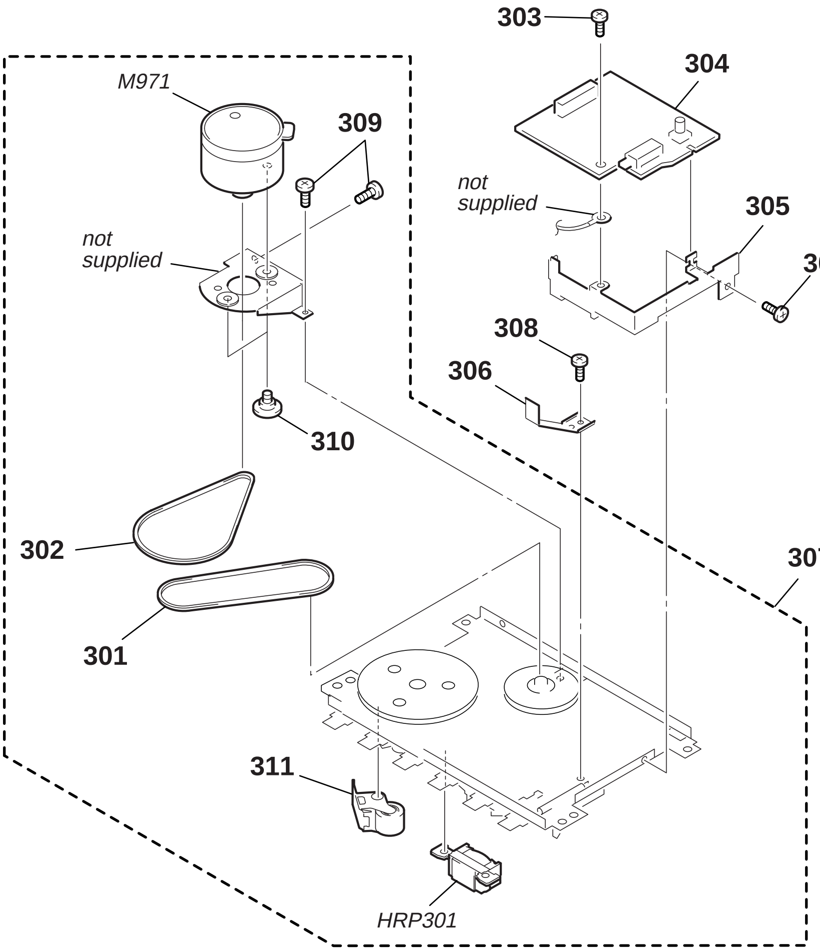
Ref. No.	Part No.	Description	Remark
201	3-252-828-01	SCREW (B2.6), (+) PWH TAPPING	
202	A-1167-992-A	H/P BOARD, COMPLETE (G555CP)	
203	3-264-898-11	BUTTON POWER (G555CP)	
204	A-1167-991-A	CD KEY BOARD, COMPLETE (G555CP)	
205	3-264-903-01	BUTTON WOOFER	
206	3-264-902-01	SPRING CASSETTE	
207	3-264-904-01	HOLDER BUTTON WOOFER	
208	3-047-468-01	DAMPER	
209	3-264-897-31	BUTTON CD	
210	A-1070-124-A	TUNER BOARD, COMPLETE (E92)	
210	A-1070-126-A	TUNER BOARD, COMPLETE (SP, E41, AUS)	
211	3-264-916-01	TERMINAL ANTENNA	
212	3-019-395-01	PLATE, CHUCKING	
213	1-452-732-11	MAGNET	
214	3-264-889-01	SPRING CD	
215	3-264-887-31	LID CD	
216	3-264-888-41	LID CASSETTE (G555CP)	
217	3-047-468-11	DAMPER	
218	3-253-143-01	SCREW (B2.6), (+) P TAPPING	
219	3-254-143-01	SCREW (B3), (+) BV TAPPING	
220	3-252-827-01	SCREW (B2.6), (+) BV TAPPING	
221	3-252-833-01	SCREW (M3), (+) P	
ANT1	1-501-918-21	ANTENNA, TELESCOPIC	
S801	1-692-960-21	SWITCH, PUSH (1KEY) (⏏ PUSH OPEN/CLOSE)	

7-6. CABINET (UPPER) (2) SECTION



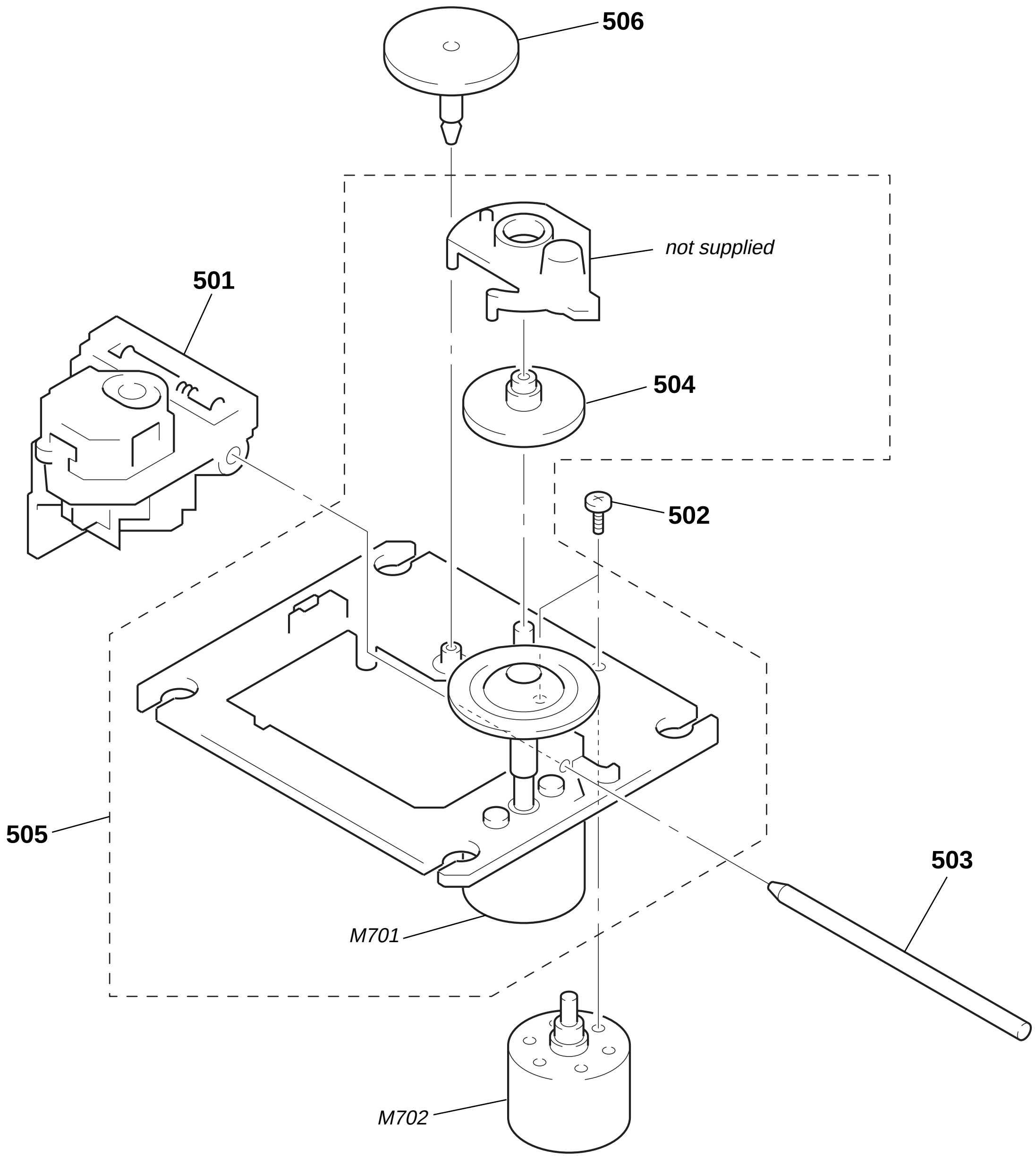
Ref. No.	Part No.	Description	Remark
251	3-264-890-11	BUTTON PAUSE	
252	3-264-891-11	BUTTON STOP/EJECT	
253	3-264-892-11	BUTTON FF	
254	3-264-893-11	BUTTON REW	
255	3-264-894-11	BUTTON PLAY	
256	3-264-895-11	BUTTON REC	
257	3-923-736-01	COVER, CD	
258	3-931-379-21	RUBBER, VIBRATION PROOF	
259	3-252-828-01	SCREW (B2.6), (+) PWH TAPPING	
260	1-832-026-11	CABLE, FLEXIBLE FLAT (16 CORE)	
261	3-931-379-31	RUBBER, VIBRATION PROOF	
262	1-831-730-21	CABLE, FLEXIBLE FLAT (20 CORE)	
263	3-264-896-01	HOLDER BUTTON (MD)	
264	A-1167-882-A	MAIN BOARD, COMPLETE (G555CPK)	
264	A-1167-993-A	MAIN BOARD, COMPLETE (E92)	
264	A-1168-010-A	MAIN BOARD, COMPLETE (E41)	
264	A-1168-035-A	MAIN BOARD, COMPLETE (AUS)	
264	A-1169-131-A	MAIN BOARD, COMPLETE (SP)	
265	1-831-778-21	CABLE, FLEXIBLE FLAT (11 CORE)	
266	2-657-079-01	CABINET UPPER (FRONT) (G555CPK)	
266	3-264-900-51	CABINET UPPER (FRONT) (G555CP)	
267	3-264-901-31	CABINET UPPER (BACK)	
268	2-108-743-01	CUSHION KEY CASSETTE	
269	3-254-143-01	SCREW (B3), (+) BV TAPPING	
270	3-252-827-01	SCREW (B2.6), (+) BV TAPPING	
271	3-245-709-51	SCREW	
272	A-1068-202-A	CD/MP3 BOARD, COMPLETE	
273	1-832-425-21	CABLE, FLEXIBLE FLAT (11 CORE)	
274	3-243-076-01	WOVEN (90), FABRIC NON	
IC351	8-759-426-51	IC BA5417	
IC371	8-759-426-51	IC BA5417	
Q971	8-729-037-08	TRANSISTOR KTD2058Y	
Q972	8-729-037-08	TRANSISTOR KTD2058Y	

7-7. TAPE MECHANISM DECK SECTION



Ref. No.	Part No.	Description	Remark
301	2-663-212-01	BELT (B1), SUB	
302	2-663-211-01	BELT (B1), MAIN	
303	3-254-029-01	SCREW	
* 304	A-4547-315-A	TC BOARD, COMPLETE	
305	3-237-719-02	CHASSIS, TC	
306	3-237-718-01	LEVER REC	
307	A-1159-094-A	MF-G500	
308	3-245-709-21	SCREW	
309	2-663-206-01	+SCREW BIND DT M2X4	
310	2-663-207-01	+SCERW BIND M2X4.5	
311	3-244-086-01	ARM, PINCH ROLLER	
HRP301	3-244-085-01	HEAD, R/P	
M971	2-663-205-01	PULLEY (MOTOR) (CAPSTAN/REEL)	

7-8. OPTICAL PICK-UP SECTION (KSM-213CDP/C2NP)



Ref. No.	Part No.	Description	Remark
⚠501	8-848-483-05	OPTICAL PICK-UP (KSS-213C/Q-RP)	
502	2-174-500-01	SCREW (2X3)	
503	2-626-908-01	SHAFT, SLED	
504	2-627-003-01	GEAR (B) (RP)	
505	X-2162-709-1	CHASSIS ASSY (CDP), MOTOR (including M701 (SPINDLE))	
506	2-626-907-11	GEAR (A)	
M702	X-2625-769-1	GEAR ASSY (MB) (RP), MOTOR (SLED) (including GEAR)	

BATTERY 1 | BATTERY 2 | CD KEY | CD/MP3

SECTION 8
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- Accessories are given in the last of this parts list.
- CAPACITORS
  uF: μF
- COILS
  uH: μH
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA. . : μA. . uPA. . : μPA. .
  uPB. . : μPB. . uPC. . : μPC. .
  uPD. . : μPD. .
- Abbreviation
  AUS : Australian model
  CND : Canadian model
  E41 : AC 230V area in E model
  E92 : AC 120V area in E model
  MX : Mexican model
  SP : Singapore model

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remark
		BATTERY 1 BOARD			
		***************			
	3-238-135-01	TERMINAL (–), BATTERY			
**************					
		BATTERY 2 BOARD			
		***************			
	3-238-135-01	TERMINAL (–), BATTERY			
**************					
	A-1167-878-A	CD KEY BOARD, COMPLETE (G555CPK)			
	A-1167-991-A	CD KEY BOARD, COMPLETE (G555CP)			
		***********************			
		< CONNECTOR >			
KH405	1-815-551-11	CONNECTOR 3P (G555CPK)			
		< RESISTOR >			
R401	1-216-817-11	METAL CHIP	470	5%	1/10W (G555CP)
R402	1-216-813-11	METAL CHIP	220	5%	1/10W (G555CP)
R403	1-216-821-11	METAL CHIP	1K	5%	1/10W
R404	1-216-821-11	METAL CHIP	1K	5%	1/10W
R405	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R406	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R407	1-216-821-11	METAL CHIP	1K	5%	1/10W
R408	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R409	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R422	1-216-821-11	METAL CHIP	1K	5%	1/10W (G555CP)
R423	1-216-817-11	METAL CHIP	470	5%	1/10W
R424	1-216-813-11	METAL CHIP	220	5%	1/10W
		< SWITCH >			
S401	1-786-050-21	SWITCH, KEY BOARD (POWER) (G555CP)			
S402	1-786-050-21	SWITCH, KEY BOARD (MODE) (G555CP)			
S403	1-786-050-21	SWITCH, KEY BOARD (►II)			
S404	1-786-050-21	SWITCH, KEY BOARD (■)			
S405	1-786-050-21	SWITCH, KEY BOARD (WOOFER)			
S406	1-786-050-21	SWITCH, KEY BOARD (PRESET +/►►I)			
S407	1-786-050-21	SWITCH, KEY BOARD (PRESET –/I◄◄)			
S417	1-786-050-21	SWITCH, KEY BOARD (FOLDER +)			
S418	1-786-050-21	SWITCH, KEY BOARD (FOLDER –)			
S419	1-786-050-21	SWITCH, KEY BOARD (SLEEP) (G555CP)			
**************					

Ref. No.	Part No.	Description			Remark
	A-1068-202-A	CD/MP3 BOARD, COMPLETE			
		***********************			
		< CAPACITOR >			
C701	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C702	1-104-658-91	ELECT	100uF	20%	10V
C703	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C704	1-126-947-11	ELECT	47uF	20%	35V
C705	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C706	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C707	1-104-658-91	ELECT	100uF	20%	10V
C708	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C709	1-104-658-91	ELECT	100uF	20%	10V
C710	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C711	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C712	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C713	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C714	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C715	1-126-960-11	ELECT	1uF	20%	50V
C716	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C717	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C718	1-115-156-11	CERAMIC CHIP	1uF		10V
C719	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C720	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C721	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C722	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C723	1-104-658-91	ELECT	100uF	20%	10V
C729	1-126-927-11	ELECT	2200uF	20%	10V
C730	1-126-923-91	ELECT	220uF	20%	10V
C731	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C732	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C733	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C734	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C737	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C740	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C741	1-115-156-11	CERAMIC CHIP	1uF		10V
C742	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C743	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C744	1-115-156-11	CERAMIC CHIP	1uF		10V
C745	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C746	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C747	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C748	1-126-925-91	ELECT	470uF	20%	10V
C750	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C751	1-162-923-11	CERAMIC CHIP	47PF	5%	50V

CD/MP3

Ref. No.	Part No.	Description			Remark
C753	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C754	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C756	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C760	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C761	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C762	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C763	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C764	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C766	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C767	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C1001	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1010	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1011	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1012	1-115-156-11	CERAMIC CHIP	1uF		10V
C1013	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1014	1-104-658-91	ELECT	100uF	20%	10V
C1029	1-126-916-11	ELECT	1000uF	20%	6.3V
C1030	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1031	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1037	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1042	1-104-658-91	ELECT	100uF	20%	10V
C1043	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1044	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1054	1-126-925-91	ELECT	470uF	20%	10V
C1055	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1056	1-115-156-11	CERAMIC CHIP	1uF		10V
C1057	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1058	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1059	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1066	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1067	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1068	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1069	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1070	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1074	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C1110	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
		< CONNECTOR >			
CNP701	1-779-553-21	CONNECTOR, FFC (LIF (NON-ZIF)) 16P			
CNP702	1-784-742-11	CONNECTOR, FFC 20P			
		< FERRITE BEAD >			
FB701	1-469-701-21	FERRITE, EMI (SMD) (1608)			
FB702	1-469-701-21	FERRITE, EMI (SMD) (1608)			
FB703	1-469-701-21	FERRITE, EMI (SMD) (1608)			
FB704	1-469-701-21	FERRITE, EMI (SMD) (1608)			
FB705	1-469-701-21	FERRITE, EMI (SMD) (1608)			
FB706	1-469-701-21	FERRITE, EMI (SMD) (1608)			
FB707	1-469-701-21	FERRITE, EMI (SMD) (1608)			
FB1001	1-469-701-21	FERRITE, EMI (SMD) (1608)			
FB1002	1-469-701-21	FERRITE, EMI (SMD) (1608)			
		< IC >			
IC701	6-701-796-01	IC LC78646E-US-E			
IC702	6-701-787-11	IC BA5826FP-E2			
IC1001	6-704-008-01	IC LC78684E-US-E			
IC1002	8-759-597-78	IC MSM54V16258BSL-40TSK			
IC1003	6-704-059-01	IC S-817B18AMC-CWHT2G			

Ref. No.	Part No.	Description			Remark
		< TRANSISTOR >			
Q701	8-729-054-57	TRANSISTOR	KTN2907AS-RTK		
		< RESISTOR >			
R701	1-216-841-11	METAL CHIP	47K	5%	1/10W
R702	1-216-833-11	METAL CHIP	10K	5%	1/10W
R703	1-216-833-11	METAL CHIP	10K	5%	1/10W
R704	1-216-833-11	METAL CHIP	10K	5%	1/10W
R705	1-216-833-11	METAL CHIP	10K	5%	1/10W
R706	1-216-841-11	METAL CHIP	47K	5%	1/10W
R707	1-216-797-11	METAL CHIP	10	5%	1/10W
R708	1-216-833-11	METAL CHIP	10K	5%	1/10W
R709	1-216-837-11	METAL CHIP	22K	5%	1/10W
R710	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R711	1-216-813-11	METAL CHIP	220	5%	1/10W
R712	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R713	1-216-821-11	METAL CHIP	1K	5%	1/10W
R714	1-216-809-11	METAL CHIP	100	5%	1/10W
R715	1-216-809-11	METAL CHIP	100	5%	1/10W
R716	1-216-809-11	METAL CHIP	100	5%	1/10W
R717	1-216-809-11	METAL CHIP	100	5%	1/10W
R718	1-216-809-11	METAL CHIP	100	5%	1/10W
R719	1-216-809-11	METAL CHIP	100	5%	1/10W
R720	1-216-809-11	METAL CHIP	100	5%	1/10W
R721	1-216-809-11	METAL CHIP	100	5%	1/10W
R722	1-216-809-11	METAL CHIP	100	5%	1/10W
R723	1-216-809-11	METAL CHIP	100	5%	1/10W
R724	1-216-841-11	METAL CHIP	47K	5%	1/10W
R725	1-216-817-11	METAL CHIP	470	5%	1/10W
R726	1-216-817-11	METAL CHIP	470	5%	1/10W
R727	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R728	1-216-833-11	METAL CHIP	10K	5%	1/10W
R729	1-216-813-11	METAL CHIP	220	5%	1/10W
R730	1-216-821-11	METAL CHIP	1K	5%	1/10W
R731	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R732	1-216-809-11	METAL CHIP	100	5%	1/10W
R733	1-216-809-11	METAL CHIP	100	5%	1/10W
R734	1-216-809-11	METAL CHIP	100	5%	1/10W
R735	1-216-809-11	METAL CHIP	100	5%	1/10W
R736	1-216-809-11	METAL CHIP	100	5%	1/10W
R737	1-216-809-11	METAL CHIP	100	5%	1/10W
R740	1-216-809-11	METAL CHIP	100	5%	1/10W
R743	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R744	1-216-845-11	METAL CHIP	100K	5%	1/10W
R745	1-216-809-11	METAL CHIP	100	5%	1/10W
R753	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R755	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R756	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R757	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R758	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R759	1-216-809-11	METAL CHIP	100	5%	1/10W
R760	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R761	1-216-805-11	METAL CHIP	47	5%	1/10W
R762	1-216-805-11	METAL CHIP	47	5%	1/10W
R763	1-216-813-11	METAL CHIP	220	5%	1/10W
R764	1-216-813-11	METAL CHIP	220	5%	1/10W
R765	1-216-841-11	METAL CHIP	47K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R766	1-216-797-11	METAL CHIP	10	5%	1/10W
R1001	1-216-809-11	METAL CHIP	100	5%	1/10W
R1002	1-216-809-11	METAL CHIP	100	5%	1/10W
R1003	1-216-809-11	METAL CHIP	100	5%	1/10W
R1004	1-216-809-11	METAL CHIP	100	5%	1/10W
R1005	1-216-809-11	METAL CHIP	100	5%	1/10W
R1017	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1018	1-216-809-11	METAL CHIP	100	5%	1/10W
R1019	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1020	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1068	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1073	1-216-809-11	METAL CHIP	100	5%	1/10W
R1074	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1075	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1076	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1077	1-216-809-11	METAL CHIP	100	5%	1/10W
R1078	1-216-809-11	METAL CHIP	100	5%	1/10W
R1079	1-216-809-11	METAL CHIP	100	5%	1/10W
R1080	1-216-809-11	METAL CHIP	100	5%	1/10W
R1081	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1082	1-216-805-11	METAL CHIP	47	5%	1/10W
		< SWITCH >			
S701	1-571-936-11	SWITCH, LEAF (LIMIT)			
		< VIBRATOR >			
X701	1-795-563-21	VIBRATOR, CERAMIC (16.9MHz)			

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Ref. No.	Part No.	Description			Remark
	A-1167-880-A	H/P BOARD, COMPLETE (G555CPK)			
	A-1167-992-A	H/P BOARD, COMPLETE (G555CP)			
		*******************			
		< CONNECTOR >			
CNP391	1-815-557-11	PIN, CONNECTOR (PWB) 9P			
CNP392	1-815-552-11	PIN, CONNECTOR (PWB) 4P			
* CNP393	1-815-552-21	PIN, CONNECTOR (PWB) 4P			
		< JACK >			
J391	1-794-016-11	JACK (🎧)			
		< RESISTOR >			
R192	1-216-821-11	METAL CHIP	1K	5%	1/10W
R193	1-216-813-11	METAL CHIP	220	5%	1/10W
R194	1-216-813-11	METAL CHIP	220	5%	1/10W
R292	1-216-821-11	METAL CHIP	1K	5%	1/10W
R293	1-216-813-11	METAL CHIP	220	5%	1/10W
R294	1-216-813-11	METAL CHIP	220	5%	1/10W

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Ref. No.	Part No.	Description			Remark
		LCD BOARD			
		**********			
	2-657-086-01	HOLDER, LCD			
		< CAPACITOR >			
C403	1-126-160-11	ELECT	1uF	20%	50V
C406	1-126-160-11	ELECT	1uF	20%	50V
C437	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C438	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C439	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C440	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C441	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C444	1-126-160-11	ELECT	1uF	20%	50V
		< DIODE >			
D402	6-501-464-01	DIODE L-7104SRD-H (OPR/BATT)			
		< IC >			
IC402	6-709-360-01	IC NJU6533FA2			
IC891	6-701-681-01	IC RPM7140-V4			
		< COIL >			
L401	1-410-509-11	INDUCTOR	10uH		
		< LIQUID CRYSTAL DISPLAY >			
LCD401	1-802-087-11	DISPLAY PANEL, LIQUID CRYSTAL			
		< RESISTOR >			
R427	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R428	1-216-817-11	METAL CHIP	470	5%	1/10W
R442	1-216-841-11	METAL CHIP	47K	5%	1/10W
R443	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R444	1-216-809-11	METAL CHIP	100	5%	1/10W
R445	1-216-853-11	METAL CHIP	470K	5%	1/10W
R448	1-216-809-11	METAL CHIP	100	5%	1/10W
R449	1-216-809-11	METAL CHIP	100	5%	1/10W
R450	1-216-809-11	METAL CHIP	100	5%	1/10W
R451	1-216-809-11	METAL CHIP	100	5%	1/10W
R452	1-216-849-11	METAL CHIP	220K	5%	1/10W
R461	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R462	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R463	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R464	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R465	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R469	1-216-845-11	METAL CHIP	100K	5%	1/10W
R475	1-216-849-11	METAL CHIP	220K	5%	1/10W

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Ref. No.	Part No.	Description			Remark
	A-1167-869-A	LED 1 BOARD, COMPLETE (G555CPK)			
	A-1167-977-A	LED 1 BOARD, COMPLETE (G555CP)			
		********************			
		< DIODE >			
D403	6-501-464-01	DIODE L-7104SRD-H (ILLUMINATION)			
D404	6-501-464-01	DIODE L-7104SRD-H (ILLUMINATION)			
		< RESISTOR >			
R471	1-216-813-11	METAL CHIP	220	5%	1/10W
R472	1-216-813-11	METAL CHIP	220	5%	1/10W

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LED 2 **LED 3** **LED 4** **MAIN**

Ref. No.	Part No.	Description			Remark
	A-1167-870-A	LED 2 BOARD, COMPLETE (G555CPK)			
	A-1167-978-A	LED 2 BOARD, COMPLETE (G555CP)			
		**********************			
		< DIODE >			
D405	6-501-464-01	DIODE L-7104SRD-H (ILLUMINATION)			
D406	6-501-464-01	DIODE L-7104SRD-H (ILLUMINATION)			
		< RESISTOR >			
R473	1-216-813-11	METAL CHIP	220	5%	1/10W
R474	1-216-813-11	METAL CHIP	220	5%	1/10W
************					
	A-1167-871-A	LED 3 BOARD, COMPLETE (G555CPK)			
	A-1167-979-A	LED 3 BOARD, COMPLETE (G555CP)			
		**********************			
		< DIODE >			
D407	6-501-464-01	DIODE L-7104SRD-H (ILLUMINATION)			
D408	6-501-464-01	DIODE L-7104SRD-H (ILLUMINATION)			
		< RESISTOR >			
R476	1-216-813-11	METAL CHIP	220	5%	1/10W
R477	1-216-813-11	METAL CHIP	220	5%	1/10W
************					
	A-1167-872-A	LED 4 BOARD, COMPLETE (G555CPK)			
	A-1167-980-A	LED 4 BOARD, COMPLETE (G555CP)			
		**********************			
		< DIODE >			
D409	6-501-464-01	DIODE L-7104SRD-H (ILLUMINATION)			
D410	6-501-464-01	DIODE L-7104SRD-H (ILLUMINATION)			
		< RESISTOR >			
R478	1-216-813-11	METAL CHIP	220	5%	1/10W
R479	1-216-813-11	METAL CHIP	220	5%	1/10W
************					
	A-1167-882-A	MAIN BOARD, COMPLETE (G555CPK)			
	A-1167-993-A	MAIN BOARD, COMPLETE (E92)			
	A-1168-010-A	MAIN BOARD, COMPLETE (E41)			
	A-1168-035-A	MAIN BOARD, COMPLETE (AUS)			
	A-1169-131-A	MAIN BOARD, COMPLETE (SP)			
		**********************			
	3-252-827-01	SCREW (B2.6), (+) BV TAPPING			
		< CAPACITOR >			
C122	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C123	1-126-961-11	ELECT	2.2uF	20%	50V
C124	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C126	1-126-961-11	ELECT	2.2uF	20%	50V
C127	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C129	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C130	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C131	1-126-959-11	ELECT	0.47uF	20%	50V
C132	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C147	1-126-963-11	ELECT	4.7uF	20%	50V
C148	1-126-960-11	ELECT	1uF	20%	50V
C151	1-126-964-11	ELECT	10uF	20%	50V (G555CPK)
C152	1-126-960-11	ELECT	1uF	20%	50V (G555CPK)
C153	1-126-964-11	ELECT	10uF	20%	50V (G555CPK)
C154	1-162-960-11	CERAMIC CHIP	220PF	10%	50V (G555CPK)
C171	1-126-947-11	ELECT	47uF	20%	35V
C172	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C173	1-104-658-91	ELECT	100uF	20%	10V
C174	1-126-926-11	ELECT	1000uF	20%	10V
C175	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C176	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C222	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C223	1-126-961-11	ELECT	2.2uF	20%	50V
C224	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C226	1-126-961-11	ELECT	2.2uF	20%	50V
C227	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C229	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C230	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C231	1-126-959-11	ELECT	0.47uF	20%	50V
C232	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C247	1-126-963-11	ELECT	4.7uF	20%	50V
C248	1-126-960-11	ELECT	1uF	20%	50V
C251	1-126-964-11	ELECT	10uF	20%	50V (G555CPK)
C252	1-126-960-11	ELECT	1uF	20%	50V (G555CPK)
C253	1-126-964-11	ELECT	10uF	20%	50V (G555CPK)
C254	1-162-960-11	CERAMIC CHIP	220PF	10%	50V (G555CPK)
C271	1-126-947-11	ELECT	47uF	20%	35V
C272	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C273	1-104-658-91	ELECT	100uF	20%	10V
C274	1-126-926-11	ELECT	1000uF	20%	10V
C275	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C276	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C301	1-126-923-91	ELECT	220uF	20%	10V
C321	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C322	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C323	1-126-959-11	ELECT	0.47uF	20%	50V
C324	1-104-658-91	ELECT	100uF	20%	10V
C325	1-126-923-91	ELECT	220uF	20%	10V
C326	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C327	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C328	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C329	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C333	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C334	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C336	1-126-923-91	ELECT	220uF	20%	10V
C337	1-126-960-11	ELECT	1uF	20%	50V
C338	1-126-964-11	ELECT	10uF	20%	50V
C339	1-104-658-91	ELECT	100uF	20%	10V
C340	1-104-658-91	ELECT	100uF	20%	10V
C341	1-104-662-91	ELECT	22uF	20%	25V
C342	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C343	1-126-964-11	ELECT	10uF	20%	50V

MAIN

Ref. No.	Part No.	Description			Remark
C346	1-126-942-61	ELECT	1000uF	20%	25V
C348	1-128-548-11	ELECT	4700uF	20%	25V
C349	1-104-666-11	ELECT	220uF	20%	25V
C350	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C351	1-104-658-91	ELECT	100uF	20%	10V
C352	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C353	1-104-658-91	ELECT	100uF	20%	10V
C354	1-104-658-91	ELECT	100uF	20%	10V
C355	1-104-658-91	ELECT	100uF	20%	10V
C356	1-104-658-91	ELECT	100uF	20%	10V
C357	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C358	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C359	1-104-662-91	ELECT	22uF	20%	25V
C360	1-126-961-11	ELECT	2.2uF	20%	50V
C361	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C366	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C371	1-104-658-91	ELECT	100uF	20%	10V
C381	1-126-923-91	ELECT	220uF	20%	10V
C415	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V (G555CPK)
C416	1-104-658-91	ELECT	100uF	20%	10V (G555CPK)
C417	1-126-963-11	ELECT	4.7uF	20%	50V (G555CPK)
C418	1-126-963-11	ELECT	4.7uF	20%	50V (G555CPK)
C419	1-104-658-91	ELECT	100uF	20%	10V (G555CPK)
C420	1-126-947-11	ELECT	47uF	20%	35V (G555CPK)
C421	1-126-960-11	ELECT	1uF	20%	50V (G555CPK)
C422	1-126-947-11	ELECT	47uF	20%	35V (G555CPK)
C423	1-104-662-91	ELECT	22uF	20%	25V (G555CPK)
C424	1-126-964-11	ELECT	10uF	20%	50V (G555CPK)
C425	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V (G555CPK)
C426	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V (G555CPK)
C431	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (G555CPK)
C432	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (G555CPK)
C433	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (G555CPK)
C434	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (G555CPK)
C435	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (G555CPK)
C436	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C801	1-126-947-11	ELECT	47uF	20%	35V
C802	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C803	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C804	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C805	1-126-964-11	ELECT	10uF	20%	50V
C817	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C820	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C821	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C823	1-104-658-91	ELECT	100uF	20%	10V
C824	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C825	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C826	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C827	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C828	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C829	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C830	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C832	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C833	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C834	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C835	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C836	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C837	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C838	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C839	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C840	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C841	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C842	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C843	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C844	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C845	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C846	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C850	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C851	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C852	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C853	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C854	1-104-658-91	ELECT	100uF	20%	10V
C855	1-126-964-11	ELECT	10uF	20%	50V
C856	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C857	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C858	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C859	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C860	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C861	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C862	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C863	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C864	1-115-156-11	CERAMIC CHIP	1uF		10V
C869	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C951	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C953	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C954	1-126-923-91	ELECT	220uF	20%	10V
C955	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C957	1-126-923-91	ELECT	220uF	20%	10V
C958	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C959	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C960	1-126-923-91	ELECT	220uF	20%	10V
C961	1-126-923-91	ELECT	220uF	20%	10V
C972	1-164-156-11	CERAMIC CHIP	0.1uF		25V
		< CONNECTOR >			
* CNP301	1-815-553-11	PIN, CONNECTOR (PWB) 5P			
CNP303	1-815-554-11	PIN, CONNECTOR (PWB) 6P			
CNP801	1-770-519-31	CONNECTOR, FFC/FPC 11P			
CNP802	1-691-052-31	HOUSING, CONNECTOR 20P			
CNP804	1-815-444-11	PIN, CONNECTOR (PWB) 3P (G555CP)			
CNP804	1-815-445-11	PIN, CONNECTOR (PWB) 4P (G555CPK)			

MAIN

Ref. No.	Part No.	Description			Remark
CNP806	1-815-443-11	PIN, CONNECTOR (PWB) 2P			
		< DIODE >			
D320	6-500-335-01	DIODE MC2838-T112-1			
D321	8-719-988-61	DIODE 1SS355TE-17			
D322	8-719-988-61	DIODE 1SS355TE-17			
D323	8-719-988-61	DIODE 1SS355TE-17			
D325	6-500-335-01	DIODE MC2838-T112-1			
D351	6-500-848-01	DIODE MC2840-T112-1			
D801	8-719-082-07	DIODE KDS121-RTK			
D803	8-719-069-54	DIODE UDZSTE-175.1B			
D805	8-719-988-61	DIODE 1SS355TE-17			
D806	8-719-988-61	DIODE 1SS355TE-17			
D951	8-719-000-07	DIODE MC2836			
D952	8-719-000-07	DIODE MC2836			
D954	8-719-977-28	DIODE DTZ10B			
D955	8-719-978-33	DIODE DTZ-TT11-6.8B			
D956	8-719-083-58	DIODE UDZSTE-173.9B			
		< FERRITE BEAD >			
FB801	1-469-701-21	FERRITE, EMI (SMD) (1608)			
		< IC >			
IC321	6-701-824-11	IC BD3870FS-E2			
IC401	8-759-332-64	IC BA3837 (G555CPK)			
IC801	6-806-432-01	IC uPD7894216AGF-561-3BA-A			
IC802	6-700-336-01	IC CAT24WC02WI-1.8-TE13			
IC803	6-703-285-01	IC S-812C33AUA-C2NT2G			
IC804	6-705-413-01	IC BD4826G-TR			
		< JUMPER RESISTOR >			
JC302	1-216-841-11	METAL CHIP	47K	5%	1/10W (SP)
JC303	1-216-841-11	METAL CHIP	47K	5%	1/10W (AUS)
JC304	1-216-864-11	SHORT CHIP	0 (EXCEPT AUS)		
JC305	1-216-841-11	METAL CHIP	47K	5%	1/10W (SP, E41, AUS)
JC306	1-216-864-11	SHORT CHIP	0 (G555CP:E92/G555CPK)		
JC309	1-216-864-11	SHORT CHIP	0 (EXCEPT SP)		
JC310	1-216-864-11	SHORT CHIP	0 (G555CPK)		
JC391	1-216-864-11	SHORT CHIP	0		
JC401	1-216-864-11	SHORT CHIP	0 (G555CPK)		
		< COIL >			
L802	1-410-509-11	INDUCTOR	10uH		
L803	1-410-509-11	INDUCTOR	10uH		
L804	1-410-509-11	INDUCTOR	10uH		
L805	1-410-509-11	INDUCTOR	10uH		
L806	1-410-521-11	INDUCTOR	100uH		
L807	1-410-521-11	INDUCTOR	100uH		
L809	1-414-142-61	INDUCTOR	1uH		
		< TRANSISTOR >			
Q171	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q271	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q321	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q322	8-729-120-28	TRANSISTOR	2SC1623-L5L6		

Ref. No.	Part No.	Description			Remark
Q323	8-729-027-46	TRANSISTOR	DTC114YKA-T146		
Q351	8-729-036-89	TRANSISTOR	KTC3198GR-AT		
Q352	8-729-028-90	TRANSISTOR	DTA143ZUA-T106		
Q354	8-729-036-86	TRANSISTOR	KTC3203Y-AT		
Q401	8-729-120-28	TRANSISTOR	2SC1623-L5L6 (G555CPK)		
Q402	8-729-120-28	TRANSISTOR	2SC1623-L5L6 (G555CPK)		
Q403	8-729-028-99	TRANSISTOR	DTC114YUA-T106		(G555CPK)
Q404	8-729-028-76	TRANSISTOR	DTA114YUA-T106		(G555CPK)
Q405	8-729-120-28	TRANSISTOR	2SC1623-L5L6 (G555CPK)		
Q802	8-729-027-26	TRANSISTOR	DTA114YKA-T146		
Q803	8-729-027-46	TRANSISTOR	DTC114YKA-T146		
Q806	8-729-922-10	TRANSISTOR	2SA1577-QR		
Q808	8-729-027-46	TRANSISTOR	DTC114YKA-T146		
Q811	8-729-027-46	TRANSISTOR	DTC114YKA-T146		
Q812	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q813	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q814	8-729-028-92	TRANSISTOR	DTA144TUA-T106		
Q815	8-729-027-26	TRANSISTOR	DTA114YKA-T146		
Q816	8-729-037-03	TRANSISTOR	KTA1266GR-AT		
Q817	8-729-922-10	TRANSISTOR	2SA1577-QR (G555CPK)		
Q951	8-729-029-04	TRANSISTOR	DTC123JUA-T106		
Q952	8-729-037-03	TRANSISTOR	KTA1266GR-AT		
Q953	8-729-029-09	TRANSISTOR	DTC143EUA-T106		
Q954	8-729-036-89	TRANSISTOR	KTC3198GR-AT		
Q956	8-729-036-86	TRANSISTOR	KTC3203Y-AT		
		< RESISTOR >			
R123	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R124	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R125	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R127	1-216-833-11	METAL CHIP	10K	5%	1/10W
R128	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R134	1-216-853-11	METAL CHIP	470K	5%	1/10W
R151	1-216-833-11	METAL CHIP	10K	5%	1/10W (G555CPK)
R152	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (G555CPK)
R153	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (G555CPK)
R154	1-216-833-11	METAL CHIP	10K	5%	1/10W (G555CPK)
R172	1-216-833-11	METAL CHIP	10K	5%	1/10W
R173	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R175	1-216-813-11	METAL CHIP	220	5%	1/10W
R176	1-216-809-11	METAL CHIP	100	5%	1/10W
R178	1-216-821-11	METAL CHIP	1K	5%	1/10W
R181	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R223	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R224	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R225	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R227	1-216-833-11	METAL CHIP	10K	5%	1/10W
R228	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R234	1-216-853-11	METAL CHIP	470K	5%	1/10W
R251	1-216-833-11	METAL CHIP	10K	5%	1/10W (G555CPK)
R252	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (G555CPK)

Ref. No.	Part No.	Description			Remark
R253	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (G555CPK)
R254	1-216-833-11	METAL CHIP	10K	5%	1/10W (G555CPK)
R272	1-216-833-11	METAL CHIP	10K	5%	1/10W
R273	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R275	1-216-813-11	METAL CHIP	220	5%	1/10W
R276	1-216-809-11	METAL CHIP	100	5%	1/10W
R278	1-216-821-11	METAL CHIP	1K	5%	1/10W
R281	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R307	1-216-864-11	SHORT CHIP	0		
R322	1-216-821-11	METAL CHIP	1K	5%	1/10W
R323	1-216-821-11	METAL CHIP	1K	5%	1/10W
R325	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R326	1-216-821-11	METAL CHIP	1K	5%	1/10W
R328	1-216-821-11	METAL CHIP	1K	5%	1/10W
R329	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R330	1-216-817-11	METAL CHIP	470	5%	1/10W
R331	1-216-837-11	METAL CHIP	22K	5%	1/10W
R332	1-216-853-11	METAL CHIP	470K	5%	1/10W
R333	1-216-833-11	METAL CHIP	10K	5%	1/10W
R334	1-216-817-11	METAL CHIP	470	5%	1/10W
R335	1-216-837-11	METAL CHIP	22K	5%	1/10W
R336	1-216-833-11	METAL CHIP	10K	5%	1/10W
R337	1-216-837-11	METAL CHIP	22K	5%	1/10W
R338	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R339	1-216-821-11	METAL CHIP	1K	5%	1/10W
R340	1-216-821-11	METAL CHIP	1K	5%	1/10W
R341	1-216-821-11	METAL CHIP	1K	5%	1/10W
R342	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R343	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R344	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R346	1-216-817-11	METAL CHIP	470	5%	1/10W
R347	1-216-817-11	METAL CHIP	470	5%	1/10W
R348	1-216-821-11	METAL CHIP	1K	5%	1/10W
R351	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R353	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R356	1-216-821-11	METAL CHIP	1K	5%	1/10W
R357	1-216-817-11	METAL CHIP	470	5%	1/10W
R359	1-216-797-11	METAL CHIP	10	5%	1/10W
R360	1-216-797-11	METAL CHIP	10	5%	1/10W
R361	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R362	1-216-821-11	METAL CHIP	1K	5%	1/10W
R363	1-216-813-11	METAL CHIP	220	5%	1/10W
R364	1-216-857-11	METAL CHIP	1M	5%	1/10W
R365	1-216-857-11	METAL CHIP	1M	5%	1/10W
R366	1-216-833-11	METAL CHIP	10K	5%	1/10W
R371	1-216-833-11	METAL CHIP	10K	5%	1/10W
R372	1-216-833-11	METAL CHIP	10K	5%	1/10W
R429	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (G555CPK)
R430	1-216-841-11	METAL CHIP	47K	5%	1/10W (G555CPK)
R431	1-216-817-11	METAL CHIP	470	5%	1/10W (G555CPK)
R432	1-216-821-11	METAL CHIP	1K	5%	1/10W (G555CPK)
R433	1-216-841-11	METAL CHIP	47K	5%	1/10W (G555CPK)
R434	1-216-821-11	METAL CHIP	1K	5%	1/10W (G555CPK)
R435	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (G555CPK)
R436	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (G555CPK)
R437	1-216-821-11	METAL CHIP	1K	5%	1/10W (G555CPK)
R438	1-216-821-11	METAL CHIP	1K	5%	1/10W (G555CPK)
R439	1-216-817-11	METAL CHIP	470	5%	1/10W (G555CPK)
R440	1-216-817-11	METAL CHIP	470	5%	1/10W (G555CPK)
R441	1-216-849-11	METAL CHIP	220K	5%	1/10W (G555CPK)
R446	1-216-817-11	METAL CHIP	470	5%	1/10W (G555CPK)
R453	1-216-817-11	METAL CHIP	470	5%	1/10W (G555CPK)
R454	1-216-841-11	METAL CHIP	47K	5%	1/10W (G555CPK)
R455	1-216-841-11	METAL CHIP	47K	5%	1/10W (G555CPK)
R459	1-216-809-11	METAL CHIP	100	5%	1/10W
R460	1-216-841-11	METAL CHIP	47K	5%	1/10W (G555CPK)
R801	1-216-821-11	METAL CHIP	1K	5%	1/10W
R802	1-216-821-11	METAL CHIP	1K	5%	1/10W
R803	1-216-821-11	METAL CHIP	1K	5%	1/10W
R804	1-216-821-11	METAL CHIP	1K	5%	1/10W
R805	1-216-821-11	METAL CHIP	1K	5%	1/10W
R806	1-216-821-11	METAL CHIP	1K	5%	1/10W
R807	1-216-821-11	METAL CHIP	1K	5%	1/10W
R808	1-216-821-11	METAL CHIP	1K	5%	1/10W
R809	1-216-821-11	METAL CHIP	1K	5%	1/10W
R810	1-216-821-11	METAL CHIP	1K	5%	1/10W
R811	1-216-821-11	METAL CHIP	1K	5%	1/10W
R814	1-216-821-11	METAL CHIP	1K	5%	1/10W
R815	1-216-821-11	METAL CHIP	1K	5%	1/10W
R816	1-216-821-11	METAL CHIP	1K	5%	1/10W
R817	1-216-821-11	METAL CHIP	1K	5%	1/10W (G555CPK)
R818	1-216-813-11	METAL CHIP	220	5%	1/10W
R819	1-216-813-11	METAL CHIP	220	5%	1/10W
R820	1-216-813-11	METAL CHIP	220	5%	1/10W
R821	1-216-813-11	METAL CHIP	220	5%	1/10W
R822	1-216-813-11	METAL CHIP	220	5%	1/10W
R823	1-216-821-11	METAL CHIP	1K	5%	1/10W
R824	1-216-821-11	METAL CHIP	1K	5%	1/10W
R825	1-216-833-11	METAL CHIP	10K	5%	1/10W
R826	1-216-817-11	METAL CHIP	470	5%	1/10W
R827	1-216-821-11	METAL CHIP	1K	5%	1/10W
R828	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R829	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R830	1-216-809-11	METAL CHIP	100	5%	1/10W
R831	1-216-821-11	METAL CHIP	1K	5%	1/10W
R832	1-216-833-11	METAL CHIP	10K	5%	1/10W

MAIN **MIC**

Ref. No.	Part No.	Description			Remark
R833	1-216-841-11	METAL CHIP	47K	5%	1/10W
R834	1-216-821-11	METAL CHIP	1K	5%	1/10W
R835	1-216-817-11	METAL CHIP	470	5%	1/10W
R836	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R837	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R838	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R839	1-216-841-11	METAL CHIP	47K	5%	1/10W
R840	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R841	1-216-821-11	METAL CHIP	1K	5%	1/10W
R842	1-216-841-11	METAL CHIP	47K	5%	1/10W (G555CPK)
R843	1-216-821-11	METAL CHIP	1K	5%	1/10W (G555CPK)
R845	1-216-821-11	METAL CHIP	1K	5%	1/10W
R846	1-216-833-11	METAL CHIP	10K	5%	1/10W
R847	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R848	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R849	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R850	1-216-833-11	METAL CHIP	10K	5%	1/10W
R851	1-216-833-11	METAL CHIP	10K	5%	1/10W
R852	1-216-809-11	METAL CHIP	100	5%	1/10W
R853	1-216-809-11	METAL CHIP	100	5%	1/10W
R854	1-216-809-11	METAL CHIP	100	5%	1/10W
R855	1-216-821-11	METAL CHIP	1K	5%	1/10W
R856	1-216-821-11	METAL CHIP	1K	5%	1/10W
R857	1-216-821-11	METAL CHIP	1K	5%	1/10W
R858	1-216-821-11	METAL CHIP	1K	5%	1/10W
R859	1-216-821-11	METAL CHIP	1K	5%	1/10W
R860	1-216-821-11	METAL CHIP	1K	5%	1/10W
R861	1-216-809-11	METAL CHIP	100	5%	1/10W
R862	1-216-809-11	METAL CHIP	100	5%	1/10W
R863	1-216-821-11	METAL CHIP	1K	5%	1/10W
R864	1-216-821-11	METAL CHIP	1K	5%	1/10W
R865	1-216-845-11	METAL CHIP	100K	5%	1/10W
R866	1-216-797-11	METAL CHIP	10	5%	1/10W
R867	1-216-837-11	METAL CHIP	22K	5%	1/10W (G555CPK)
R868	1-216-821-11	METAL CHIP	1K	5%	1/10W
R869	1-216-821-11	METAL CHIP	1K	5%	1/10W
R870	1-216-821-11	METAL CHIP	1K	5%	1/10W
R871	1-216-817-11	METAL CHIP	470	5%	1/10W
R872	1-216-809-11	METAL CHIP	100	5%	1/10W
R873	1-216-817-11	METAL CHIP	470	5%	1/10W
R874	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R875	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R876	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R877	1-216-833-11	METAL CHIP	10K	5%	1/10W
R878	1-216-821-11	METAL CHIP	1K	5%	1/10W
R879	1-216-845-11	METAL CHIP	100K	5%	1/10W
R880	1-216-849-11	METAL CHIP	220K	5%	1/10W
R881	1-216-845-11	METAL CHIP	100K	5%	1/10W
R882	1-216-845-11	METAL CHIP	100K	5%	1/10W
R883	1-216-845-11	METAL CHIP	100K	5%	1/10W
R884	1-216-813-11	METAL CHIP	220	5%	1/10W
R885	1-216-813-11	METAL CHIP	220	5%	1/10W
R886	1-216-813-11	METAL CHIP	220	5%	1/10W
R887	1-216-841-11	METAL CHIP	47K	5%	1/10W
R888	1-216-817-11	METAL CHIP	470	5%	1/10W
R889	1-216-841-11	METAL CHIP	47K	5%	1/10W
R890	1-216-841-11	METAL CHIP	47K	5%	1/10W
R891	1-216-833-11	METAL CHIP	10K	5%	1/10W
R892	1-216-833-11	METAL CHIP	10K	5%	1/10W (G555CP)
R893	1-216-821-11	METAL CHIP	1K	5%	1/10W (G555CPK)
R894	1-216-833-11	METAL CHIP	10K	5%	1/10W
R895	1-216-821-11	METAL CHIP	1K	5%	1/10W (G555CPK)
R896	1-216-821-11	METAL CHIP	1K	5%	1/10W (G555CPK)
R897	1-216-797-11	METAL CHIP	10	5%	1/10W
R898	1-216-809-11	METAL CHIP	100	5%	1/10W
R899	1-216-809-11	METAL CHIP	100	5%	1/10W
R941	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R942	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R943	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R944	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R945	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R946	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R947	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R948	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R949	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R950	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R951	1-216-845-11	METAL CHIP	100K	5%	1/10W
R952	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R953	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R955	1-216-809-11	METAL CHIP	100	5%	1/10W
R957	1-216-809-11	METAL CHIP	100	5%	1/10W
R958	1-216-821-11	METAL CHIP	1K	5%	1/10W
R960	1-216-809-11	METAL CHIP	100	5%	1/10W
R961	1-216-821-11	METAL CHIP	1K	5%	1/10W
R964	1-216-809-11	METAL CHIP	100	5%	1/10W
R965	1-216-817-11	METAL CHIP	470	5%	1/10W
		< VIBRATOR >			
X801	1-795-526-12	VIBRATOR, CERAMIC (5MHz)			

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Ref. No.	Part No.	Description			Remark
	A-1167-881-A	MIC BOARD, COMPLETE (G555CPK)			
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		< CAPACITOR >			
C402	1-126-960-11	ELECT	1uF	20%	50V
C408	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C414	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
		< CONNECTOR >			
CNP394	1-815-444-11	PIN, CONNECTOR (PWB) 3P			
		< JACK >			
J401	1-766-190-11	JACK (MIC MIX)			
		< COIL >			
L302	1-410-509-11	INDUCTOR	10uH		
L303	1-410-509-11	INDUCTOR	10uH		
L304	1-410-509-11	INDUCTOR	10uH		

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R426	1-216-821-11	METAL CHIP	1K	5%	1/10W
		< VARIABLE RESISTOR >			
RV401	1-227-629-11	RES, VAR, CARBON		10K (MIC LEVEL)	

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Ref. No.	Part No.	Description			Remark
	A-1167-863-A	POWER BOARD, COMPLETE (including TRANS BOARD,COMPLETE) (MX)			
	A-1167-901-A	POWER BOARD, COMPLETE (including TRANS BOARD, COMPLETE) (CND)			
	A-1167-971-A	POWER BOARD, COMPLETE (including TRANS BOARD,COMPLETE) (E92)			
	A-1168-007-A	POWER BOARD, COMPLETE (including TRANS BOARD,COMPLETE) (SP, E41, AUS)			
		***********************			
		< CAPACITOR >			
C901	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C902	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C903	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C904	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C909	1-126-943-11	ELECT	2200uF	20%	25V
		< JACK >			
⚠CNJ901	1-526-818-11	INLET, AC (∿ AC IN) (G555CP:E92/G555CPK:MX)			
⚠CNJ901	1-526-838-11	INLET, AC 2P (∿ AC IN) (SP, E41, AUS)			
⚠CNJ901	1-540-009-11	INLET, AC (∿ AC IN) (CND)			
		< CONNECTOR >			
CNP902	1-815-552-11	PIN, CONNECTOR (PWB) 4P			
		< DIODE >			
D901	8-719-046-47	DIODE 1N5401TM			
D902	8-719-046-47	DIODE 1N5401TM			
D903	8-719-046-47	DIODE 1N5401TM			
D904	8-719-046-47	DIODE 1N5401TM			

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Ref. No.	Part No.	Description			Remark
	A-1167-879-A	POWER KEY BOARD, COMPLETE (G555CPK)			
		**************************			
		< DIODE >			
D401	8-719-059-97	DIODE L-34HD (KARAOKEPON)			
		< RESISTOR >			
R401	1-216-817-11	METAL CHIP	470	5%	1/10W
R402	1-216-813-11	METAL CHIP	220	5%	1/10W
R421	1-216-821-11	METAL CHIP	1K	5%	1/10W
R422	1-216-821-11	METAL CHIP	1K	5%	1/10W
R456	1-216-821-11	METAL CHIP	1K	5%	1/10W
R457	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R458	1-216-813-11	METAL CHIP	220	5%	1/10W
		< SWITCH >			
S401	1-786-050-21	SWITCH, KEY BOARD (POWER)			
S402	1-786-050-21	SWITCH, KEY BOARD (MODE)			
S419	1-786-050-21	SWITCH, KEY BOARD (KARAOKEPON)			

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Ref. No.	Part No.	Description			Remark
	A-1167-863-A	TRANS BOARD, COMPLETE (including POWER BOARD, COMPLETE) (MX)			
	A-1167-901-A	TRANS BOARD, COMPLETE (including POWER BOARD, COMPLETE) (CND)			
	A-1167-971-A	TRANS BOARD, COMPLETE (including POWER BOARD, COMPLETE) (E92)			
	A-1168-007-A	TRANS BOARD, COMPLETE (including POWER BOARD, COMPLETE) (SP, E41, AUS)			
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	1-533-233-31	FUSE HOLDER			
	3-254-143-01	SCREW (B3), (+) BV TAPPING			
	3-264-908-01	CHASSIS (TRANS)			

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Ref. No.	Part No.	Description			Remark
*	A-4547-315-A	TC BOARD, COMPLETE			
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		< CAPACITOR >			
C101	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C102	1-104-658-91	ELECT	100uF	20%	10V
C103	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C104	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C105	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C107	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C201	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C202	1-104-658-91	ELECT	100uF	20%	10V
C203	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C204	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C205	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C207	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C301	1-104-658-91	ELECT	100uF	20%	10V
C302	1-104-658-91	ELECT	100uF	20%	10V
C303	1-104-658-91	ELECT	100uF	20%	10V
C304	1-126-947-11	ELECT	47uF	20%	35V
C305	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C306	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C307	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
		< CONNECTOR >			
CN303	1-568-830-11	CONNECTOR, FFC 11P			
		< IC >			
IC301	8-759-264-71	IC TA2068N			
		< JUMPER RESISTOR >			
JC301	1-216-864-11	SHORT CHIP	0		
JC302	1-216-864-11	SHORT CHIP	0		
JC303	1-216-864-11	SHORT CHIP	0		
JC304	1-216-864-11	SHORT CHIP	0		
JC305	1-216-864-11	SHORT CHIP	0		
JC306	1-216-295-91	SHORT CHIP	0		
JC307	1-216-864-11	SHORT CHIP	0		
JC308	1-216-295-91	SHORT CHIP	0		
		< TRANSISTOR >			
Q301	8-729-901-81	TRANSISTOR	2SC2412K-T-146-R		
		< RESISTOR >			
R101	1-216-835-11	METAL CHIP	15K	5%	1/10W
R102	1-216-807-11	METAL CHIP	68	5%	1/10W

CFD-G555CP/G555CPK

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TC **TUNER**

Ref. No.	Part No.	Description			Remark
R103	1-216-843-11	METAL CHIP	68K	5%	1/10W
R104	1-216-835-11	METAL CHIP	15K	5%	1/10W
R105	1-216-835-11	METAL CHIP	15K	5%	1/10W
R106	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R110	1-216-809-11	METAL CHIP	100	5%	1/10W
R111	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R112	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R201	1-216-835-11	METAL CHIP	15K	5%	1/10W
R202	1-216-807-11	METAL CHIP	68	5%	1/10W
R203	1-216-843-11	METAL CHIP	68K	5%	1/10W
R204	1-216-835-11	METAL CHIP	15K	5%	1/10W
R205	1-216-835-11	METAL CHIP	15K	5%	1/10W
R206	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R210	1-216-025-11	RES-CHIP	100	5%	1/10W
R211	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R212	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R301	1-216-857-11	METAL CHIP	1M	5%	1/10W
R302	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R303	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R304	1-216-821-11	METAL CHIP	1K	5%	1/10W
R305	1-216-817-11	METAL CHIP	470	5%	1/10W
R306	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R307	1-216-797-11	METAL CHIP	10	5%	1/10W
R308	1-216-837-11	METAL CHIP	22K	5%	1/10W
R309	1-216-805-11	METAL CHIP	47	5%	1/10W
R314	1-216-817-11	METAL CHIP	470	5%	1/10W
R315	1-216-817-11	METAL CHIP	470	5%	1/10W
		< SWITCH >			
S301	1-786-126-11	SWITCH, SLIDE (REC/PB)			
		< TRANSFORMER >			
T301	1-416-041-11	TRANSFORMER, BIAS OSCILLATION			

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A-1070-124-A TUNER BOARD, COMPLETE (G555CP:E92/G555CPK)

A-1070-126-A TUNER BOARD, COMPLETE (SP, E41, AUS)

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Ref. No.	Part No.	Description			Remark
	3-264-916-01	TERMINAL ANTENNA			
		< CAPACITOR >			
C1	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C4	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C7	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V
C8	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C9	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C10	1-126-960-11	ELECT	1uF	20%	50V
C11	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C12	1-126-963-11	ELECT	4.7uF	20%	50V
C13	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
					(G555CP:E92/G555CPK)
C14	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
					(SP, E41, AUS)
C14	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
					(G555CP:E92/G555CPK)
C15	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
					(SP, E41, AUS)
C15	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
					(G555CP:E92/G555CPK)
C18	1-126-923-91	ELECT	220uF	20%	10V
C20	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C21	1-126-960-11	ELECT	1uF	20%	50V
C22	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C23	1-126-960-11	ELECT	1uF	20%	50V
C24	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C26	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C27	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C29	1-104-658-91	ELECT	100uF	20%	10V
C30	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C31	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C32	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C33	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C34	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C35	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C37	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C39	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C41	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C42	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C43	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C47	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C49	1-161-051-00	CERAMIC	0.01uF	10%	25V
C51	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C52	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C53	1-137-190-91	FILM	0.22uF	5%	50V
C54	1-126-923-91	ELECT	220uF	20%	10V
C55	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C56	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C57	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C59	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C60	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C61	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C62	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C63	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C65	1-126-963-11	ELECT	4.7uF	20%	50V
C66	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C68	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C77	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
					(SP, E41, AUS)
C78	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
					(SP, E41, AUS)
C80	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C95	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
		< FILTER >			
CF2	1-760-235-81	FILTER, CERAMIC			
CF4	1-781-962-21	FILTER, CERAMIC			
		< CONNECTOR >			
CNP1	1-568-854-11	CONNECTOR, FFC 11P			
		< TRIMMER >			
CT1	1-141-442-91	CAP, CERAMIC TRIMMER		20PF	
CT3	1-141-304-21	CAP, CERAMIC TRIMMER		10PF	

Ref. No.	Part No.	Description			Remark
		< DIODE >			
D1	8-719-078-48	DIODE KV1471ETR-G			
D2	8-719-078-48	DIODE KV1471ETR-G			
D3	8-719-050-69	DIODE KV1520N			
D10	8-719-988-61	DIODE 1SS355TE-17			
D11	8-719-988-61	DIODE 1SS355TE-17			
		< IC >			
IC1	6-700-512-01	IC TA2149BN			
IC2	8-759-483-40	IC LC72137M-TLM-E			
		< JUMPER RESISTOR >			
JC1	1-216-864-11	SHORT CHIP	0		
JC2	1-216-864-11	SHORT CHIP	0		
JC3	1-216-864-11	SHORT CHIP	0		
JC4	1-216-864-11	SHORT CHIP	0		
JC5	1-216-864-11	SHORT CHIP	0		
JC6	1-216-864-11	SHORT CHIP	0		
JC11	1-216-864-11	SHORT CHIP	0		
JC12	1-216-864-11	SHORT CHIP	0		
JC13	1-216-864-11	SHORT CHIP	0		
JC24	1-216-864-11	SHORT CHIP	0 (SP, E41, AUS)		
JC33	1-216-864-11	SHORT CHIP	0		
JC34	1-216-864-11	SHORT CHIP	0		
		< COIL >			
L1	1-409-775-11	COIL, AIR-CORE			
L2	1-416-509-11	COIL, AIR-CORE			
L3	1-754-117-12	ANTENNA, FERRITE-ROD (MW)			
L4	1-411-234-21	COIL, AM OSC			
L11	1-414-142-11	INDUCTOR	1uH (G555CP:E92/G555CPK)		
L21	1-410-509-11	INDUCTOR	10uH		
		< RESISTOR >			
R1	1-216-817-11	METAL CHIP	470	5%	1/10W
R2	1-216-817-11	METAL CHIP	470	5%	1/10W
R3	1-216-833-11	METAL CHIP	10K	5%	1/10W
R4	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5	1-216-821-11	METAL CHIP	1K	5%	1/10W
R10	1-216-805-11	METAL CHIP	47	5%	1/10W
R11	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R13	1-216-821-11	METAL CHIP	1K	5%	1/10W
R14	1-216-821-11	METAL CHIP	1K	5%	1/10W
R24	1-216-813-11	METAL CHIP	220	5%	1/10W
R30	1-216-837-11	METAL CHIP	22K	5%	1/10W
R31	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R32	1-216-845-11	METAL CHIP	100K	5%	1/10W
R33	1-216-833-11	METAL CHIP	10K	5%	1/10W
R40	1-216-849-11	METAL CHIP	220K	5%	1/10W
R41	1-216-833-11	METAL CHIP	10K	5%	1/10W
R50	1-216-821-11	METAL CHIP	1K	5%	1/10W
R51	1-216-833-11	METAL CHIP	10K	5%	1/10W
R52	1-216-864-11	SHORT CHIP	0		
R53	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R54	1-216-817-11	METAL CHIP	470	5%	1/10W
R55	1-216-833-11	METAL CHIP	10K	5%	1/10W
R56	1-216-813-11	METAL CHIP	220	5%	1/10W
R57	1-216-809-11	METAL CHIP	100	5%	1/10W
R58	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R59	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R60	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R61	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R63	1-216-833-11	METAL CHIP	10K	5%	1/10W
R65	1-216-833-11	METAL CHIP	10K	5%	1/10W
R91	1-216-813-11	METAL CHIP	220	5%	1/10W
R92	1-216-813-11	METAL CHIP	220	5%	1/10W
R94	1-216-821-11	METAL CHIP	1K	5%	1/10W
		< TRANSFORMER >			
T1	1-433-741-11	TRANSFORMER, IF			
T2	1-419-465-11	COIL (DET)			
		< VIBRATOR >			
X1	1-795-449-11	VIBRATOR, CRYSTAL (75kHz)			

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Ref. No.	Part No.	Description			Remark
	A-1167-874-A	TUNER KEY BOARD, COMPLETE (G555CPK)			
	A-1167-982-A	TUNER KEY BOARD, COMPLETE (G555CP)			
		**************************			
		< RESISTOR >			
R411	1-216-817-11	METAL CHIP	470	5%	1/10W
R412	1-216-813-11	METAL CHIP	220	5%	1/10W
R413	1-216-821-11	METAL CHIP	1K	5%	1/10W
R414	1-216-821-11	METAL CHIP	1K	5%	1/10W
R415	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
		< SWITCH >			
S409	1-786-050-21	SWITCH, KEY BOARD (DISPLAY/ENTER/MEMORY)			
S410	1-786-050-21	SWITCH, KEY BOARD (TUNER +)			
S411	1-786-050-21	SWITCH, KEY BOARD (TUNER –)			
S412	1-786-050-21	SWITCH, KEY BOARD (RADIO BAND)			
S413	1-786-050-21	SWITCH, KEY BOARD (REPEAT)			

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Ref. No.	Part No.	Description			Remark
	A-1167-876-A	VOL KEY BOARD, COMPLETE (G555CPK)			
	A-1167-984-A	VOL KEY BOARD, COMPLETE (G555CP)			
		***********************			
		< CAPACITOR >			
C404	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
		< RESISTOR >			
R416	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R417	1-216-821-11	METAL CHIP	1K	5%	1/10W
R418	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R419	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R420	1-216-837-11	METAL CHIP	22K	5%	1/10W
		< SWITCH >			
S414	1-786-050-21	SWITCH, KEY BOARD (VOL –)			
S415	1-786-050-21	SWITCH, KEY BOARD (VOL +)			
S416	1-786-050-21	SWITCH, KEY BOARD (SOUND)			

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Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS	
		**************	
54	1-831-781-21	CABLE, FLEXIBLE FLAT (11 CORE)	
164	1-452-732-11	MAGNET	
213	1-452-732-11	MAGNET	
260	1-832-026-11	CABLE, FLEXIBLE FLAT (16 CORE)	
262	1-831-730-21	CABLE, FLEXIBLE FLAT (20 CORE)	
265	1-831-778-21	CABLE, FLEXIBLE FLAT (11 CORE)	
273	1-832-425-21	CABLE, FLEXIBLE FLAT (11 CORE)	
307	A-1159-094-A	MF-G500	
⚠501	8-848-483-05	OPTICAL PICK-UP (KSS-213C/Q-RP)	
505	X-2162-709-1	CHASSIS ASSY (CDP), MOTOR (including M701 (SPINDLE))	
ANT1	1-501-918-21	ANTENNA, TELESCOPIC	
⚠F902	1-533-471-11	FUSE, GLASS TUBE (DIA. 5) (T4AL/250V)	
HRP301	3-244-085-01	HEAD, R/P	
IC351	8-759-426-51	IC BA5417	
IC371	8-759-426-51	IC BA5417	
M702	X-2625-769-1	GEAR ASSY (MB) (RP), MOTOR (SLED) (including GEAR)	
M971	2-663-205-01	PULLEY (MOTOR) (CAPSTAN/REEL)	
Q971	8-729-037-08	TRANSISTOR KTD2058Y	
Q972	8-729-037-08	TRANSISTOR KTD2058Y	
S801	1-692-960-11	SWITCH, PUSH (1KEY) (⏏ PUSH OPEN/CLOSE)	
SP191	1-826-352-11	SPEAKER (10CM) (L-CH)	
SP291	1-826-352-11	SPEAKER (10CM) (R-CH)	
SP393	1-825-767-11	SPEAKER (10CM) (WOOFER)	
⚠T901	1-435-964-12	TRANSFORMER, POWER (G555CP:E92/G555CPK)	
⚠T901	1-435-965-11	TRANSFORMER, POWER (SP, E41, AUS)	

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Ref. No.	Part No.	Description	Remark
		ACCESSORIES	
		***********	
	A-1072-204-A	REMOTE COMMANDER (RMT-CG550)	
⚠	1-575-131-11	CORD, POWER (SP, E41)	
⚠	1-590-342-11	CORD, POWER (G555CP:E92/G555CPK:MX)	
⚠	1-782-126-11	CORD, POWER (CND)	
⚠	1-827-945-11	CORD, POWER (AUS)	
	2-663-603-21	MANUAL, INSTRUCTION (ENGLISH, SPANISH) (E92)	
	2-663-603-31	MANUAL, INSTRUCTION (ENGLISH)(SP, AUS)	
	2-663-603-41	MANUAL, INSTRUCTION (SPANISH)(E41)	
	2-663-603-51	MANUAL, INSTRUCTION (FRENCH)(SP)	
	2-663-603-61	MANUAL, INSTRUCTION (ENGLISH, FRENCH) (CND)	
	2-663-603-71	MANUAL, INSTRUCTION (SPANISH)(G555CPK)	
	3-267-151-01	LID BATTERY (for RMT-CG550)	

MEMO

REVISION HISTORY

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Ver.	Date	Description of Revision
1.0	2006.02	New
1.1	2006.04	Deletion of COVER (AC OUT) (SPM-06042)
		Addition of Canadian model for CFD-G555CPK